Met. O. 856d

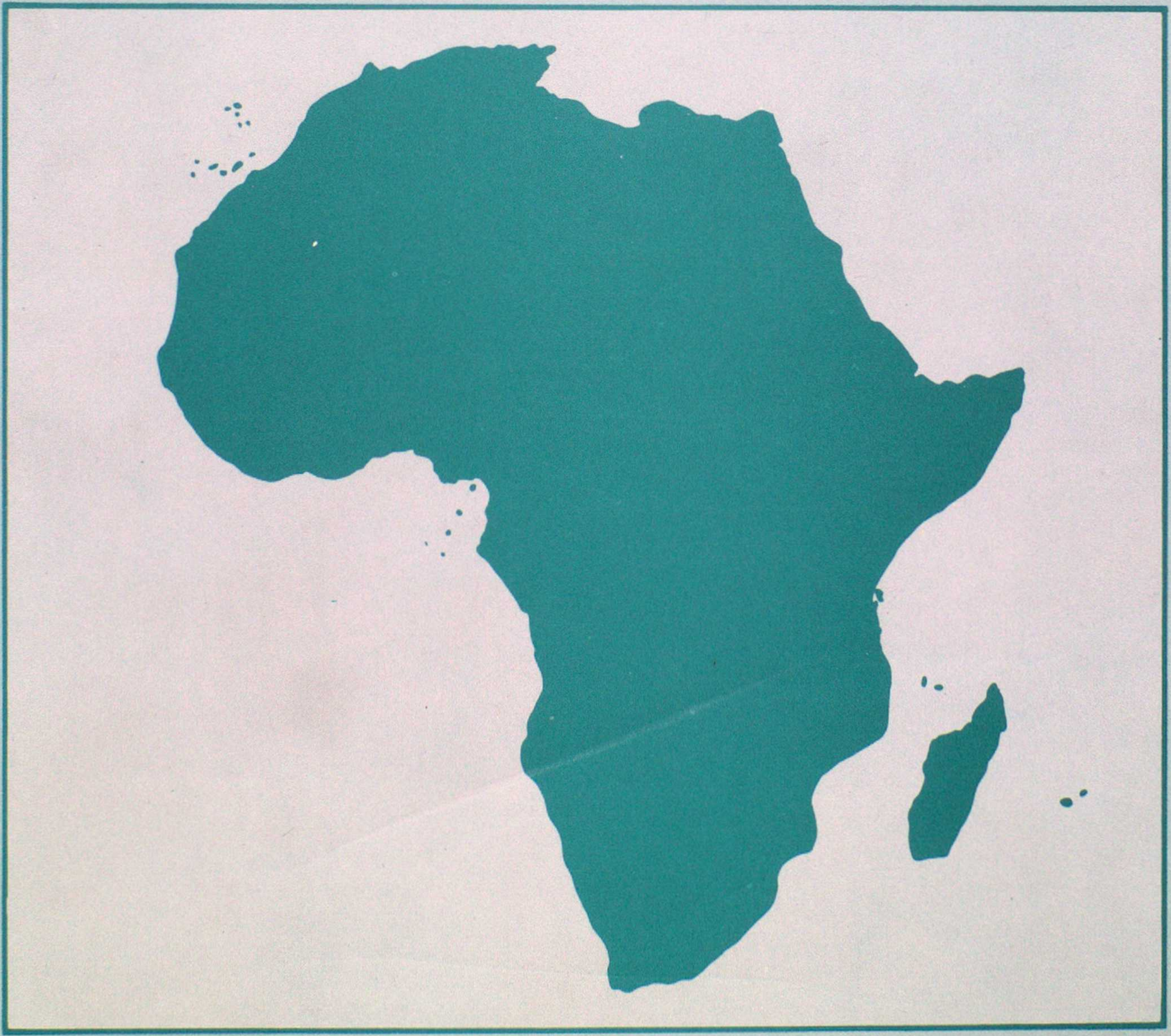
METEOROLOGICAL OFFICE

Tables of temperature, relative humidity, precipitation and sunshine for the world

PART 4

Africa, the Atlantic Ocean south of 35°N and the Indian Ocean

HMSO



Met. O. 856d.

METEOROLOGICAL OFFICE

Tables of temperature, relative humidity, precipitation and sunshine for the world

PART IV

Africa, the Atlantic Ocean South of 35°N and the Indian Ocean

LONDON
Her Majesty's Stationery Office
UDC 551. 582. 2

© *Crown copyright 1983*
First published 1983

ISBN 0 11 400340 8*

Preface

Since the first edition of this work (Met.O.617 – *Tables of temperature, relative humidity and precipitation for the world*) was published in 1958, the demand for climatic tables of this kind from many sections of the community has increased. To meet this demand the present edition of the work has been completely revised. All values for the elements previously given have been recomputed from more recent data, and the tables have been extended to include sunshine values wherever possible. Metric units have been used throughout the work to conform with present practice, but a set of comprehensive conversion tables has been included as appendices for the benefit of those readers who prefer to use the original units. A large number of places have been added to those given previously but a few have necessarily been deleted.

It was stated in the preface to the second edition that tables in future volumes would be arranged in geographical zones, but this scheme has been abandoned because of the weight of opinion in favour of retaining national boundaries. Each volume is arranged by listing the countries and the places within each country in alphabetical order. In this volume tables for the Atlantic and Indian Ocean islands, with the exception of Madagascar, appear at the end after those for the mainland of Africa.

The six volumes of the revised work are grouped in the following manner:

Part I	North America, Hawaii, Bermuda and Greenland.
Part II	The West Indies, Central and South America, the Falkland Islands and Antarctica.
Part III	Europe and the Azores.
Part IV	Africa and the surrounding oceans.
Part V	Asia.
Part VI	Australasia and the Pacific (excluding Hawaii).

It is regretted that the preparation of Parts II, V, and VI is expected to be delayed, and may not be completed in time for useful publication.

The names of several countries and many places in Africa have undergone changes during the last two decades and the place names used in this volume have been checked against a single source, the 1980 edition of the *Times Atlas of the World*, Comprehensive Edition.

Contents

Explanatory notes: *Page*

Period of years vii
Sources of data vii
Standard of time vii
Position and height of stations vii
Arrangement of tables and index vii
Temperature viii
Relative humidity viii
Precipitation viii
Sunshine ix

Tables:

Algeria 1
Angola 10
Benin 19
Botswana 21
Burundi 24
Cameroon 25
Central African Republic 30
Chad 34
Congo 38
Djibouti 42
Egypt 43
Equatorial Guinea 49
Ethiopia 50
Gabon 54
Gambia, The 57
Ghana 58
Guinea 61
Guinea Bissau 63
Ivory Coast 64
Kenya 68
Lesotho 74
Liberia 75
Libya 76
Madagascar 82
Malawi 90
Mali 92

Mauritania 98
Morocco 101
Mozambique 109
Namibia 118
Niger 122
Nigeria 125
Rwanda 133
Senegal 134
Sierra Leone 137
Somalia 138
South Africa 142
Sudan 156
Swaziland 162
Tanzania 163
Togo 172
Tunisia 174
Uganda 178
Upper Volta 182
Zaire 184
Zambia 192
Zimbabwe 198
Atlantic Ocean Islands 201
Indian Ocean Islands 207

Appendices:

I Conversion table – degrees Celsius to degrees Fahrenheit . 213
II Conversion table – millimetres to inches . . . 216
III Conversion table – metres to feet 217

Bibliography 218

Index 224

Figures

Page

Figure 1. Map of the world showing areas covered by each volume x

Figure 2. Places in north-west Africa for which tables are given xi

Figure 3. Places in north and central Africa for which tables are given xii

Figure 4. Places in southern Africa for which tables are given xiii

Figure 5. Places in eastern Africa and Madagascar for which tables are given xiv

Explanatory notes

Period of years

The aim of this publication is to provide as much information as practicable within the standard climatological period 1941–70. Many of the tables are for this 30-year period but a large number are necessarily for a rather shorter period.

No attempt has been made to estimate missing data or to 'weight' the means to the standard period. Where tables are given for places for which data for the full 30-year period are not available, the averages are for as long a period as possible.

The overall period of years used in the preparation of each table is given in the table headings, but where unavoidable gaps occur in the observations, breaks of less than five years have not been specified. The actual number of years within the overall period for which data of each element could be used is shown at the foot of each column in the tables.

Sources of data

Recently published statistics of a country have been incorporated into this work if the period of years used was of a reasonable length and within the standard period 1941–70.

When means were not readily available the figures have been worked up from monthly, and in a few cases from daily, data published by the various countries.

The numbers which appear under 'Bibliography' at the top of the first column of each table refer to the references (sources of data) listed in the bibliography at the end of the volume.

Standard of time

The difference between the Local Mean Time (LMT) at any two places depends only on the difference in longitude between them. Since the earth makes one complete revolution in 24 hours, a difference of 15° in longitude corresponds to a time difference of 1 hour. In order to avoid the inconvenience which would arise if each place adopted its own LMT, the system of zone time was introduced and is now almost universally adopted. Under this system, national standards of time differ from one another by multiples of ½ hour or 1 hour, corresponding with 7½° or 15° of longitude.

Since the apparent motion of the sun is from east to west, the standard of time used in zones east of Greenwich is ahead of (i.e. a later time than) Greenwich Mean Time (GMT) and in zones west of Greenwich is behind (i.e. an earlier time than) GMT at the rate of 1 hour for every 15° of longitude.

All times given in the tables refer to the nearest meridian which is always in whole multiples of 7½° east or west of Greenwich. Thus, for a station in 71°W the time of 67½°W is used whereas for a station in 72°W the time of 75°W is used.

Position and height of stations

The positions (latitude and longitude) and heights of the stations (above or below mean sea level) are given at the top of each table. Some changes of site have occurred at a number of stations during the period of record used for the tables. However, in the case of the stations selected for inclusion in this work, the changes are not considered to be significant and are therefore not specified in the table headings, which give only the latest published position of each station.

Arrangement of tables and index

The tables have been arranged alphabetically within each country except in the case of very large countries where they have been arranged alphabetically within each state province. Countries and states or provinces are arranged alphabetically as shown in the contents pages.

The index is arranged to facilitate reference. All cross-references give the page number in order to avoid unnecessary searches. Where a place is known by more than one name an effort has been made to list all such names both in the index and in the table headings. However, alternative names which are not in current usage have been deliberately left out.

In the index, the names of countries or islands are printed in capital letters and the names of places in ordinary type.

Temperature

The temperature values given in the tables are air temperatures taken in the shade, the thermometers being mounted, inside special screens, at between 1·2 and 2 metres above ground level.

Thermometer screens are designed to permit free circulation of air around the thermometer bulbs and yet to afford shelter from precipitation, the direct rays of the sun, and heat radiated from the ground and neighbouring objects. The highest and lowest temperatures recorded during the 24 hours (between scheduled readings of the maximum and minimum thermometers) are known, respectively, as the daily maximum and daily minimum temperatures. The averages of these for each month and for the year as a whole are given in the tables. An approximation to the overall mean temperature for any month may be obtained by computing ½ (mean daily maximum + mean daily minimum).

The extreme values in each month of the daily maximum and daily minimum temperatures are known as the monthly maximum and monthly minimum temperatures respectively; averages of these values are given in the tables, except that the entries for the year (marked with an asterisk) are averages of the highest and lowest temperatures recorded in each year, regardless of the month of occurrence.

The entries in the last two columns of temperature in the tables are the absolute extremes which have been recorded during the entire period of observational record, used in the table, for each place.

Relative humidity

The relative humidity is normally calculated at fixed hours of observation and, as a rule, it is impracticable to give maxima or minima, or values at the times of minimum and maximum temperature. For most stations, therefore, means at specified hours in the morning and afternoon have been given in the tables. Where a choice has been possible, the values given are for those hours which are nearest to the normal times of minimum and maximum daily temperature, i.e. about sunrise and in the early afternoon. Values for the morning hour of observation are mostly a little lower than the maximum relative humidity, the difference depending on the difference in time between the hour of observation and sunrise, and on which is the earlier. Values for the afternoon hour of observation are mostly a little higher than the lowest relative humidity, but for hours between 1200 and 1500 local apparent time the difference is generally small. Provided a suitable choice of hours has been possible, the values of mean daily maximum temperature and of the afternoon relative humidity are closely associated in time, and so are those for mean daily minimum temperature and the morning relative humidity. At a few places the local climate actually produces higher relative humidities in the afternoon than in the morning.

Precipitation

'Precipitation' includes any deposit of moisture from the atmosphere. Rain, snow and hail are by far the commonest forms of precipitation but other forms such as dew and hoar-frost do contribute to the amounts measured. The amounts of precipitation given in the tables indicate the amount of liquid deposit (rain, drizzle, dew) and the water equivalent of any solid deposit (snow, hail, hoar-frost, rime). The values are the depths to which a flat, level surface would be covered with water if there were no losses due to evaporation, run-off or drainage.

The terms '24 h' and 'days', in the table headings, refer to periods of 24 hours between scheduled readings of the rain-gauge and are not coincident with the civil day.

The entries in the column headed 'average No. of days with . . . mm' correspond to various definitions of a 'rain-day' or 'day with rain'. These definitions vary from country to country, but in each case the criterion on which the figures are based is stated at the head of the column.

Sunshine

Some of the values given for sunshine are subject to slight discrepancies because of the variety of recording instruments in use in different countries. Four main types of sunshine recorder are in use: (a) the Campbell–Stokes pattern, (b) the Marvin pattern, (c) the Jordan pattern and (d) the Foster pattern. Of these the Campbell–Stokes recorder has been adopted by the World Meteorological Organization as the 'interim reference sunshine recorder', and readings of all other instruments should be adjusted to agree with those of this standard recorder. Although most countries have compared their instruments (which have not been specified in this volume) with the Campbell–Stokes recorder, the results of these comparisons are not incorporated into this publication because the averages quoted have been derived from monthly or daily values published by the various Meteorological Services before comparisons were made.

In these tables, the 'average monthly duration' under 'Bright sunshine' refers to the average of the monthly totals recorded and the next column gives the percentage of this average recorded duration of the maximum possible average monthly total. The maximum possible average monthly total means the average maximum duration of sunshine which is theoretically possible with cloudless skies at the relevant latitude between sunrise and sunset (sunrise and sunset being defined as the instant at which the upper limb of the sun appears to be in contact with the horizon, the effects of elevation and topography being ignored). This possible monthly total cannot be recorded by the standard recorders in use today (except in high latitudes on occasions when the sun shines for 24 hours per day) because the sunshine is not strong enough to register on the recorder when the sun is less than about 3° above the horizon. The maximum duration of sunshine recorded on any day in each month irrespective of the year of occurrence is given in the tables as well as the average number of days in each month with no sunshine recorded.

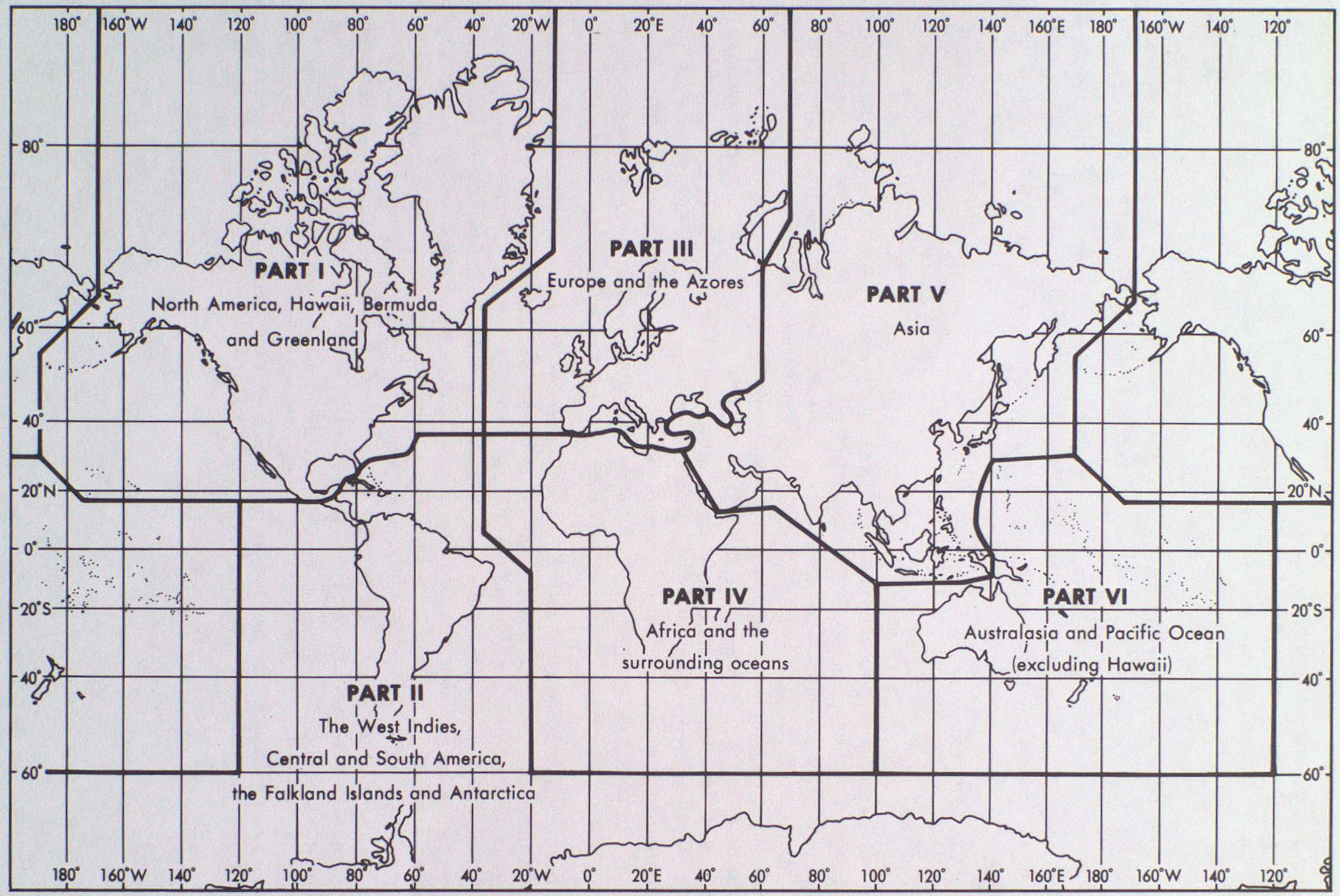

PART I
North America, Hawaii, Bermuda
and Greenland
PART II
The West Indies,
Central and South America,
the Falkland Islands and Antarctica
PART III
Europe and the Azores
PART IV
Africa and the
surrounding oceans
PART V
Asia
PART VI
Australasia and Pacific Ocean
(excluding Hawaii)
180°
160°W
140°
120°
100°
80°
60°
40°
20°W
0°
20°E
40°
60°
80°
100°
120°
140°
160°E
180°
160°W
140°
120°
80°
60°
40°
20°N
0°
20°S
40°
60°

Figure 1. Map of the world showing areas covered by each volume

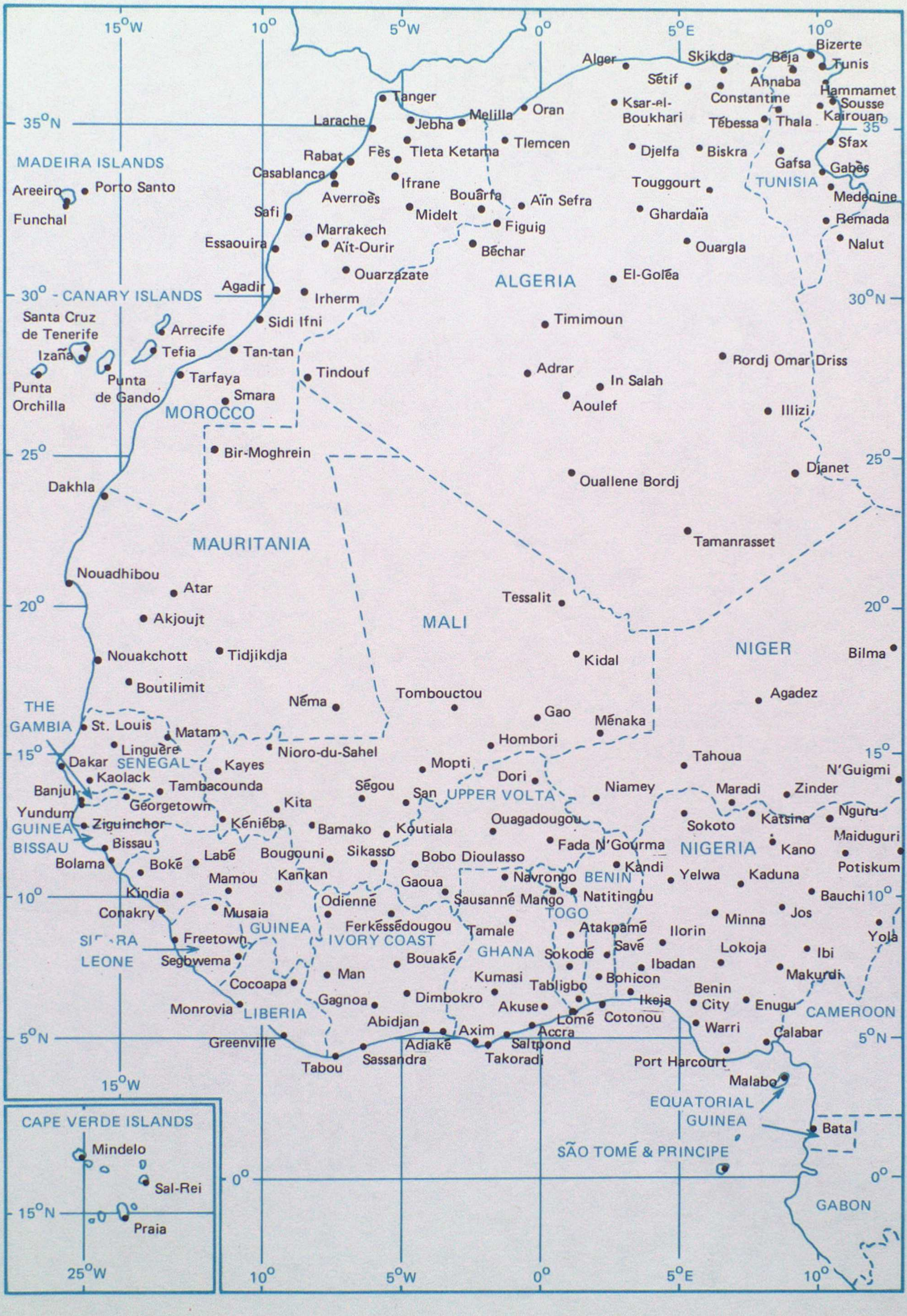

15°W
10°
5°W
0°
5°E
10°
35°N
30°N
25°
20°
15°
10°
5°N
0°
MADEIRA ISLANDS
Areeiro
Porto Santo
Funchal
30° - CANARY ISLANDS
Santa Cruz de Tenerife
Arrecife
Tefia
Izaña
Punta Orchilla
Punta de Gando
MOROCCO
Tanger
Larache
Jebha
Melilla
Oran
Rabat
Fès
Tleta Ketama
Tlemcen
Casablanca
Ifrane
Averroès
Bouârfa
Aïn Sefra
Safi
Midelt
Figuig
Marrakech
Aït-Ourir
Béchar
Essaouira
Ouarzazate
Agadir
Irherm
Sidi Ifni
Tan-tan
Tindouf
Tarfaya
Smara
Bir-Moghrein
Dakhla
ALGERIA
Alger
Skikda
Béja
Bizerte
Tunis
Sétif
Annaba
Hammamet
Constantine
Sousse
Ksar-el-Boukhari
Tébessa
Thala
Kairouan
Sfax
Djelfa
Biskra
Gafsa
Gabès
TUNISIA
Touggourt
Medenine
Ghardaïa
Remada
Nalut
Ouargla
El-Goléa
Timimoun
Bordj Omar Driss
Adrar
In Salah
Aoulef
Illizi
Djanet
Ouallene Bordj
Tamanrasset
MAURITANIA
Nouadhibou
Atar
Akjoujt
Nouakchott
Tidjikdja
Boutilimit
MALI
Tessalit
Kidal
NIGER
Bilma
Agadez
Tombouctou
Néma
Gao
Ménaka
Hombori
THE GAMBIA
St. Louis
Matam
Linguère
Nioro-du-Sahel
SENEGAL
Dakar
Kayes
Kaolack
Mopti
Tahoua
N'Guigmi
Banjul
Tambacounda
Ségou
Dori
Niamey
Maradi
Zinder
Georgetown
Kita
San
UPPER VOLTA
Yundum
Ziguinchor
Kéniéba
Bamako
Koutiala
Ouagadougou
Sokoto
Katsina
Nguru
GUINEA BISSAU
Bissau
Fada N'Gourma
NIGERIA
Maiduguri
Bolama
Labé
Bougouni
Sikasso
Bobo Dioulasso
Kano
Boké
Mamou
Kankan
Gaoua
Navrongo
BENIN
Kandi
Yelwa
Kaduna
Potiskum
Kindia
Odienné
Sausanné Mango
Natitingou
Bauchi
Conakry
Musaia
TOGO
Jos
GUINEA
Ferkéssédougou
Tamale
Atakpamé
Ilorin
Minna
Yola
SIERRA LEONE
Freetown
IVORY COAST
GHANA
Sokodé
Savé
Lokoja
Ibi
Segbwema
Bouaké
Ibadan
Makurdi
Man
Kumasi
Tabligbo
Bohicon
Cocoapa
Benin City
Gagnoa
Dimbokro
Akuse
Ikeja
Enugu
CAMEROON
Monrovia
LIBERIA
Lomé
Cotonou
Abidjan
Axim
Accra
Warri
Calabar
Greenville
Adiaké
Saltpond
Tabou
Sassandra
Takoradi
Port Harcourt
Malabo
EQUATORIAL GUINEA
Bata
SÃO TOMÉ & PRINCIPE
GABON
CAPE VERDE ISLANDS
Mindelo
Sal-Rei
Praia
25°W

Figure 2. Places in north-west Africa for which tables are given

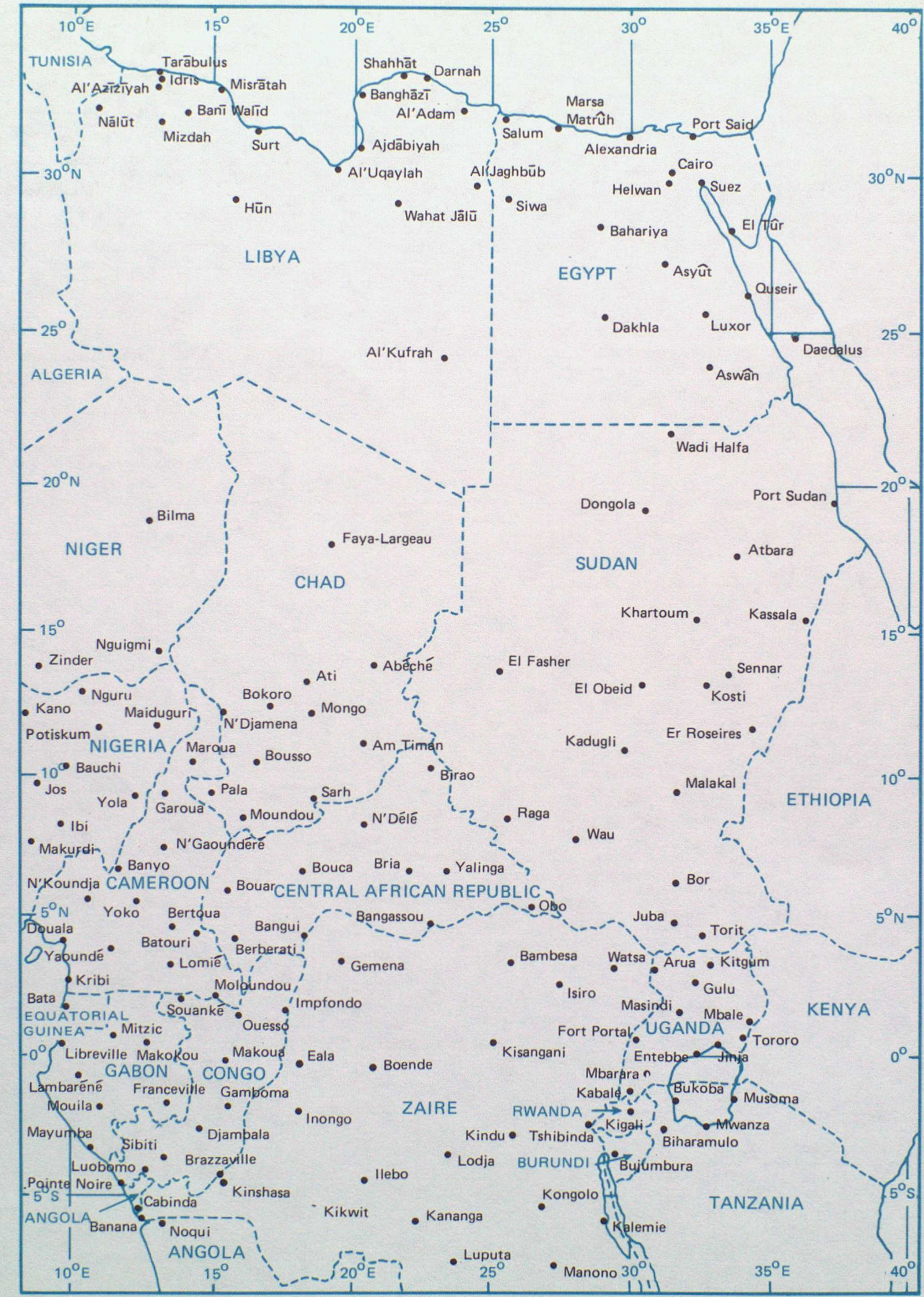

10°E
15°
20°E
25°
30°
35°E
40°
TUNISIA
Tarābulus
Idris
Al'Azīzīyah
Misrātah
Nālūt
Banī Walīd
Mizdah
Surt
Shahhāt
Darnah
Banghāzī
Al'Adam
Ajdābiyah
Al'Uqaylah
Marsa Matrûh
Salum
Port Said
Alexandria
Cairo
Helwan
Suez
30°N
Al'Jaghbūb
Siwa
Hūn
Wahat Jālū
El Tûr
Bahariya
LIBYA
EGYPT
Asyût
Quseir
25°
Dakhla
Luxor
Daedalus
Al'Kufrah
Aswân
ALGERIA
Wadi Halfa
20°N
20°
Port Sudan
Dongola
Bilma
Faya-Largeau
Atbara
NIGER
SUDAN
CHAD
Khartoum
Kassala
15°
Nguigmi
Zinder
Abeché
El Fasher
Sennar
Ati
El Obeid
Kosti
Nguru
Bokoro
Kano
Maiduguri
N'Djamena
Mongo
Potiskum
Er Roseires
NIGERIA
Maroua
Am Timan
Kadugli
Bousso
Bauchi
10°
Birao
Jos
Pala
Sarh
Malakal
Yola
Garoua
ETHIOPIA
Moundou
N'Délé
Raga
Ibi
Wau
Makurdi
N'Gaoundéré
Banyo
Bouca
Bria
Yalinga
N'Koundja
CAMEROON
Bouar
Bor
CENTRAL AFRICAN REPUBLIC
Obo
5°N
Yoko
Bertoua
Bangassou
Juba
Douala
Bangui
Torit
Batouri
Berberati
Yaounde
Lomié
Gemena
Bambesa
Watsa
Arua
Kitgum
Kribi
Moloundou
Gulu
Isiro
Bata
Impfondo
Souanké
Masindi
EQUATORIAL GUINEA
Mbale
KENYA
Mitzic
Ouesso
Fort Portal
UGANDA
Tororo
0°
Libreville
Makokou
Makoua
Eala
Kisangani
Entebbe
Jinja
Boende
GABON
CONGO
Mbarara
Lambaréné
Franceville
Gamboma
Kabale
Bukoba
Musoma
Mouila
Inongo
ZAIRE
RWANDA
Kigali
Mwanza
Mayumba
Djambala
Kindu
Tshibinda
Biharamulo
Sibiti
Brazzaville
Lodja
BURUNDI
Bujumbura
Luobomo
Ilebo
Pointe Noire
Kinshasa
Kongolo
5°S
Cabinda
TANZANIA
ANGOLA
Kikwit
Kananga
Banana
Noqui
Kalemie
ANGOLA
Luputa
Manono

Figure 3. Places in north and central Africa for which tables are given

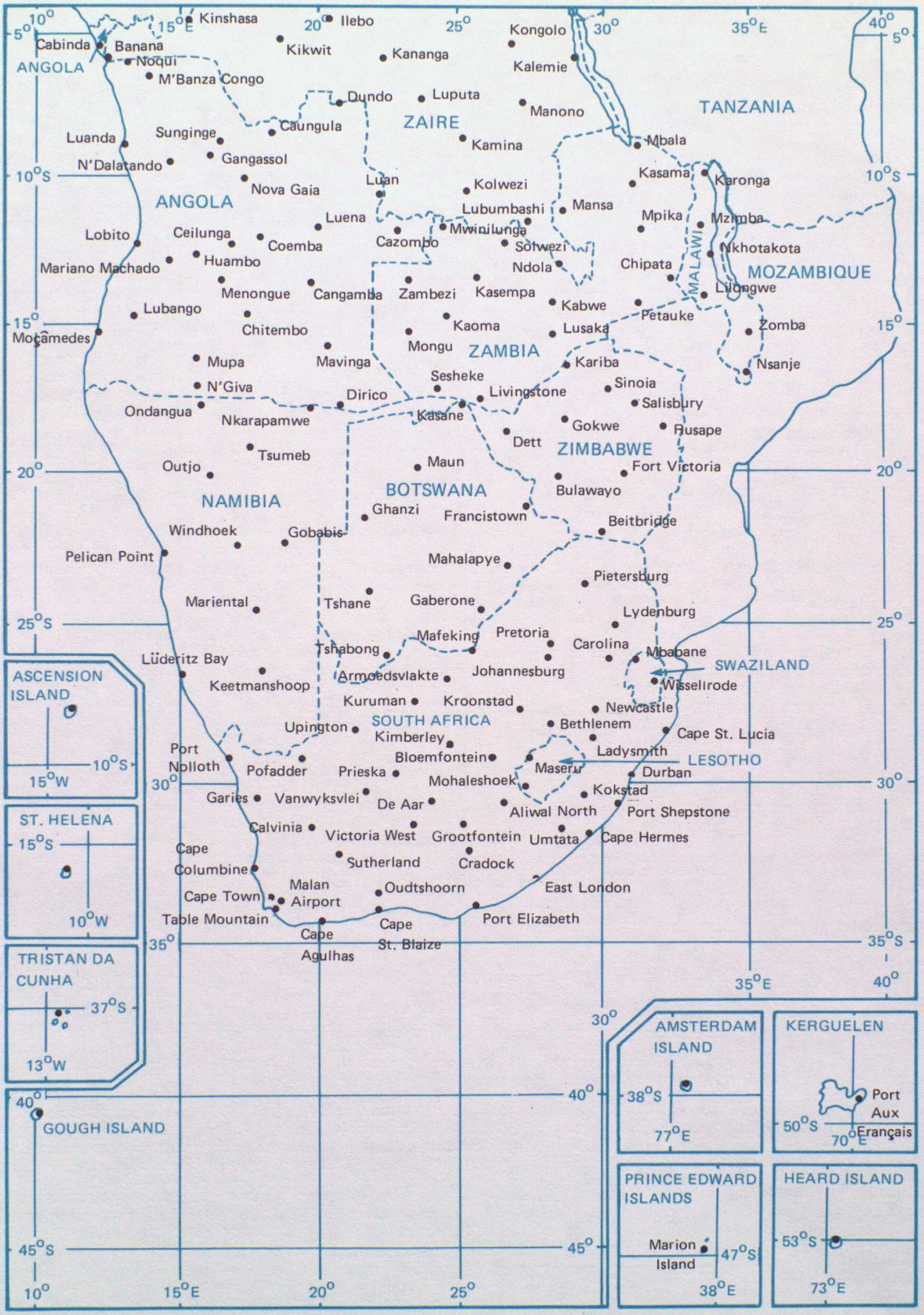

10°
5°
15°E
Kinshasa
20°
Ilebo
25°
Kongolo
30°
35°E
40°
5°
Cabinda
Banana
Noqui
ANGOLA
Kikwit
Kananga
Kalemie
M'Banza Congo
Dundo
Luputa
Manono
TANZANIA
ZAIRE
Caungula
Luanda
Sunginge
Kamina
Mbala
N'Dalatando
Gangassol
10°S
Kasama
Karonga
10°S
Nova Gaia
Luan
Kolwezi
ANGOLA
Lubumbashi
Mansa
Mpika
Mzimba
Luena
Lobito
Ceilunga
Coemba
Cazombo
Mwinilunga
Solwezi
Nkhotakota
Mariano Machado
Huambo
Ndola
Chipata
MOZAMBIQUE
MALAWI
Menongue
Cangamba
Zambezi
Kasempa
Lilongwe
Kabwe
Lubango
Petauke
15°
Chitembo
Kaoma
Zomba
15°
Moçâmedes
Lusaka
Mongu
ZAMBIA
Mupa
Mavinga
Kariba
Nsanje
Sesheke
N'Giva
Sinoia
Livingstone
Dirico
Salisbury
Ondangua
Kasane
Nkarapamwe
Gokwe
Rusape
Dett
Tsumeb
ZIMBABWE
Maun
Outjo
Fort Victoria
20°
20°
BOTSWANA
Bulawayo
NAMIBIA
Ghanzi
Francistown
Beitbridge
Windhoek
Gobabis
Pelican Point
Mahalapye
Pietersburg
Mariental
Tshane
Gaberone
Lydenburg
25°S
25°
Pretoria
Mafeking
Carolina
Tshabong
Mbabane
Lüderitz Bay
SWAZILAND
Johannesburg
Armoedsvlakte
Keetmanshoop
Wisselrode
Kuruman
Kroonstad
Newcastle
SOUTH AFRICA
Bethlenem
Upington
Cape St. Lucia
Kimberley
Ladysmith
Port Nolloth
LESOTHO
Bloemfontein
Maseru
Pofadder
Prieska
Durban
30°
Mohaleshoek
30°
Kokstad
Garies
Vanwyksvlei
De Aar
Aliwal North
Port Shepstone
Calvinia
Victoria West
Grootfontein
Umtata
Cape Hermes
Cape Columbine
Sutherland
Cradock
Malan Airport
Cape Town
Oudtshoorn
East London
Table Mountain
Cape St. Blaize
Port Elizabeth
35°
Cape Agulhas
35°S
35°E
40°
ASCENSION ISLAND
10°S
15°W
ST. HELENA
15°S
10°W
TRISTAN DA CUNHA
37°S
13°W
40°
GOUGH ISLAND
30°
40°
AMSTERDAM ISLAND
38°S
77°E
KERGUELEN
Port Aux Français
50°S
70°E
PRINCE EDWARD ISLANDS
Marion Island
47°S
38°E
HEARD ISLAND
53°S
73°E
45°S
45°
10°
15°E
20°
25°

Figure 4. Places in southern Africa for which tables are given

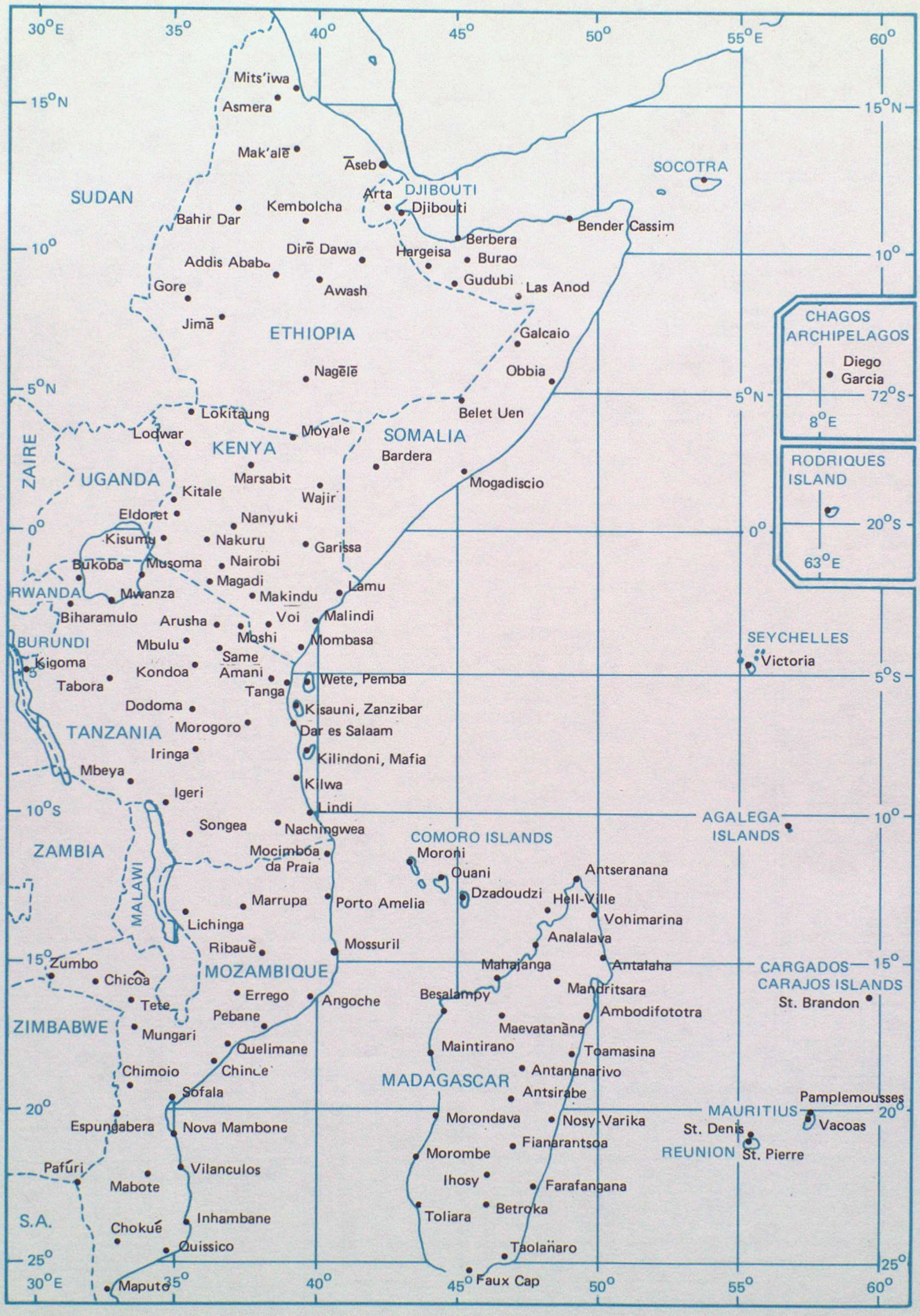

30°E
35°
40°
45°
50°
55°E
60°
15°N
10°
5°N
0°
10°S
15°
20°
25°
Mits'iwa
Asmera
Mak'alē
Āseb
SOCOTRA
SUDAN
DJIBOUTI
Arta
Djibouti
Bahir Dar
Kembolcha
Bender Cassim
Berbera
Dirē Dawa
Hargeisa
Burao
Addis Ababa
Gudubi
Las Anod
Gore
Awash
Jimā
ETHIOPIA
Galcaio
CHAGOS ARCHIPELAGOS
Diego Garcia
72°S
8°E
Nagēlē
Obbia
5°N
Belet Uen
Lokitaung
Lodwar
Moyale
SOMALIA
KENYA
Bardera
ZAIRE
UGANDA
Marsabit
Mogadiscio
Kitale
Wajir
RODRIQUES ISLAND
Eldoret
Nanyuki
20°S
63°E
Kisumu
Nakuru
Garissa
Bukoba
Musoma
Nairobi
Magadi
Lamu
RWANDA
Mwanza
Makindu
Biharamulo
Arusha
Voi
Malindi
BURUNDI
Mbulu
Moshi
Mombasa
SEYCHELLES
Victoria
Kigoma
Same
Kondoa
Amani
5°S
Tabora
Tanga
Wete, Pemba
Dodoma
Kisauni, Zanzibar
TANZANIA
Morogoro
Dar es Salaam
Iringa
Kilindoni, Mafia
Mbeya
Kilwa
Igeri
Lindi
AGALEGA ISLANDS
Songea
Nachingwea
ZAMBIA
Mocimboa da Praia
COMORO ISLANDS
Moroni
Ouani
Antseranana
MALAWI
Dzadoudzi
Hell-Ville
Marrupa
Porto Amelia
Vohimarina
Lichinga
Analalava
Ribauè
Mossuril
Zumbo
Antalaha
CARGADOS CARAJOS ISLANDS
Chicoa
MOZAMBIQUE
Mahajanga
Mandritsara
Tete
Errego
Angoche
Besalampy
St. Brandon
ZIMBABWE
Pebane
Ambodifototra
Mungari
Maevatanāna
Quelimane
Maintirano
Toamasina
Chimoio
Chinde
Antananarivo
MADAGASCAR
Sofala
Antsirabe
Pamplemousses
Espungabera
Nova Mambone
Morondava
Nosy-Varika
MAURITIUS
Vacoas
St. Denis
Fianarantsoa
REUNION
St. Pierre
Pafúri
Vilanculos
Morombe
Mabote
Ihosy
Farafangana
S.A.
Inhambane
Betroka
Chokuè
Toliara
Quissico
Taolañaro
Maputo
Faux Cap

Figure 5. Places in eastern Africa and Madagascar for which tables are given

ALGERIA

Adrar 27° 53′ N 00° 17′ W 263 m

Period 1941–69 Bibliography 2. 5. 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				per cent			millimetres		hours		hours	
January	20.4	4.1	25.5	−1.0	31.2	−4.2	58	30	2	–	1	280	86	–	–
February	24.0	7.2	29.6	1.0	36.0	−2.0	46	24	2	–	< 1	266	84	–	–
March	28.0	10.9	34.4	5.1	40.7	2.3	40	20	< 1	–	< 1	331	88	–	–
April	31.9	15.1	38.4	8.5	42.3	4.8	33	17	< 1	–	1	334	87	–	–
May	37.2	19.7	43.1	13.1	46.2	8.9	25	12	< 1	–	0	339	79	–	–
June	41.9	24.8	46.5	18.9	48.2	15.2	25	12	< 1	–	< 1	353	83	–	–
July	44.8	26.7	47.7	22.3	49.4	18.2	20	11	0	–	0	371	87	–	–
August	44.0	26.5	46.7	22.7	48.4	20.0	22	12	< 1	–	< 1	345	84	–	–
September	40.0	23.5	44.4	18.7	46.4	15.2	32	16	< 1	–	< 1	307	83	–	–
October	33.3	17.2	39.3	11.8	42.4	6.5	45	24	2	–	1	289	80	–	–
November	26.7	10.9	32.5	5.3	36.0	−1.5	57	30	3	–	1	266	84	–	–
December	20.4	5.2	26.0	0.6	31.8	−4.1	66	36	4	–	2	265	84	–	–
Year	32.7	16.0	47.9*	2.2*	49.4	−4.2	39	20	13	–	6	3746	84	–	–
No. of Years	28	28	20	20	20	20	9	9	28	–	9	15	12	–	–

Aïn Sefra 32° 45′ N 00° 36′ W 1072 m

Period 1945–62 Bibliography 1, 6	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				per cent			millimetres		hours		hours	
January	12.6	1.3	19.5	−4.0	23.8	−7.0	75	46	14	–	6	215	–	–	–
February	15.7	2.5	22.3	−3.1	27.7	−7.6	68	35	14	–	5	229	–	–	–
March	18.1	5.4	25.6	−0.7	29.4	−4.5	65	33	23	–	6	289	–	–	–
April	21.8	8.9	28.2	3.3	32.8	−1.5	59	28	22	–	5	299	–	–	–
May	27.2	13.4	33.4	7.1	35.8	4.2	55	25	17	–	5	336	–	–	–
June	32.4	17.4	37.4	11.5	39.2	7.8	50	20	10	–	5	349	–	–	–
July	36.9	21.2	39.7	17.0	41.2	15.0	38	15	3	–	3	359	–	–	–
August	36.1	20.5	39.2	15.7	41.4	14.0	38	15	4	–	4	337	–	–	–
September	31.2	16.6	35.5	11.7	37.8	8.8	50	23	19	–	5	311	–	–	–
October	24.0	11.1	30.2	5.3	32.6	3.5	66	34	26	–	7	260	–	–	–
November	17.8	5.4	23.6	−0.6	26.9	−2.4	70	42	15	–	5	202	–	–	–
December	13.5	2.4	19.5	−3.5	22.0	−7.8	74	47	21	–	6	191	–	–	–
Year	23.9	10.5	40.1*	−5.5*	41.1	−7.8	59	30	188	–	62	3377	–	–	–
No. of Years	15	15	15	15	15	15	15	15	15	–	10	7	–	–	–

Alger (Algiers) 36° 48′ N 03° 03′ E 50 m

Period 1941–70 Bibliography 1, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				per cent			millimetres		hours		hours	
January	16.2	9.9	22.4	5.4	27.7	1.4	68	63	115	–	14	142	–	–	–
February	17.0	10.1	23.2	5.5	30.7	1.5	69	61	85	–	11	165	–	–	–
March	19.1	11.8	27.1	7.5	35.8	2.1	67	60	59	–	10	203	–	–	–
April	20.6	13.6	29.0	9.6	33.8	5.9	67	61	61	–	9	208	–	–	–
May	23.8	16.3	33.3	12.5	42.0	10.0	65	60	27	–	6	263	–	–	–
June	26.5	19.2	34.0	16.1	41.1	12.9	70	65	13	–	4	268	–	–	–
July	28.2	21.9	35.6	19.2	42.4	16.5	71	64	3	–	1	315	–	–	–
August	30.1	22.7	38.2	20.3	43.5	18.6	71	63	7	–	2	301	–	–	–
September	28.4	21.3	36.4	17.7	43.0	13.0	68	62	22	–	6	235	–	–	–
October	24.7	17.7	30.9	12.6	35.2	7.5	69	61	89	–	10	195	–	–	–
November	20.7	14.1	27.8	9.4	34.0	4.9	68	61	108	–	12	159	–	–	–
December	17.2	11.1	23.0	7.1	29.2	2.6	70	62	140	–	15	134	–	–	–
Year	22.7	15.8	40.1*	3.7*	43.5	1.4	69	62	729	–	100	2588	–	–	–
No. of Years	29	29	29	29	29	29	26	29	29	–	29	21	–	–	–

*Average of highest/lowest each year

ALGERIA

Annaba (formerly Bône) 36° 50′ N 07° 49′ E 3 m

Period 1941–70 Bibliography 1, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	15.7	6.9	22.0	2.0	26.8	−1.0	87	64	107	–	15	127	–	–	–
February	16.6	7.1	24.0	2.6	29.0	−0.3	87	61	78	–	12	168	–	–	–
March	18.6	8.5	27.3	3.0	34.0	−2.0	88	57	53	–	12	204	–	–	–
April	20.3	10.4	30.1	5.3	35.7	0.0	89	63	46	–	10	187	–	–	–
May	23.4	13.2	33.2	8.0	41.0	4.3	88	62	30	–	7	265	–	–	–
June	26.9	16.6	34.8	12.1	40.0	8.3	86	61	14	–	5	283	–	–	–
July	29.9	18.8	39.0	14.9	46.0	11.3	83	54	2	–	1	346	–	–	–
August	30.5	20.0	39.6	16.3	45.1	13.8	85	57	9	–	3	307	–	–	–
September	28.7	18.5	37.0	14.1	41.9	10.0	87	60	34	–	6	244	–	–	–
October	24.6	14.8	31.4	9.5	37.0	5.2	89	58	76	–	11	175	–	–	–
November	20.9	11.0	27.6	5.9	34.2	2.5	86	59	94	–	11	130	–	–	–
December	16.9	8.4	23.3	3.8	28.2	−0.4	85	65	113	–	15	118	–	–	–
Year	22.7	12.9	41.7*	0.8*	46.0	−2.0	87	60	656	–	108	2554	–	–	–
No. of Years	28	27	28	27	28	27	18	18	29	–	19	8	–	–	–

Aoulef 27° 04′ N 01° 06′ E 289 m

Period 1941–61 Bibliography 2, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.2	5.9	26.5	0.5	32.0	−4.0	53	27	2	–	1	280	–	–	–
February	24.8	9.2	30.8	2.7	36.5	−0.3	41	20	< 1	–	0	268	–	–	–
March	28.9	12.9	35.1	6.3	39.0	2.0	35	17	2	–	< 1	329	–	–	–
April	33.3	17.3	39.1	10.4	42.9	5.6	29	15	< 1	–	< 1	339	–	–	–
May	37.6	22.0	43.7	14.8	48.9	10.8	24	12	< 1	–	< 1	357	–	–	–
June	43.2	27.2	46.0	21.9	47.9	18.8	21	11	< 1	–	< 1	348	–	–	–
July	45.1	29.3	47.9	25.0	49.9	21.9	18	10	< 1	–	< 1	368	–	–	–
August	44.2	29.0	47.9	24.7	48.6	22.5	21	12	1	–	1	350	–	–	–
September	41.0	26.2	44.6	21.6	47.2	19.4	28	14	1	–	1	319	–	–	–
October	34.4	19.7	39.7	13.7	43.1	10.2	36	18	1	–	1	304	–	–	–
November	27.7	13.2	33.4	7.4	36.0	5.0	45	25	1	–	1	271	–	–	–
December	22.2	7.3	27.1	2.4	31.1	−1.3	57	31	4	–	1	251	–	–	–
Year	33.6	18.3	48.2*	−0.1*	49.9	−4.0	34	18	12	–	6	3784	–	–	–
No. of Years	21	21	21	21	21	21	10	10	21	–	11	8	–	–	–

Béchar (formerly Colomb–Béchar) 31° 37′ N 02° 14′ W 772 m

Period 1941–70 Bibliography 2, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	15.9	3.6	21.0	−0.7	26.0	−4.8	73	43	9	–	3	245	79	–	–
February	18.6	5.9	24.2	0.9	30.2	−2.1	58	34	10	–	2	249	80	–	–
March	22.3	10.0	28.9	4.3	34.6	0.0	50	28	13	–	2	304	82	–	–
April	25.7	13.4	32.1	7.6	37.0	3.8	45	25	10	–	2	316	81	–	–
May	30.7	18.1	36.5	11.5	39.0	8.0	40	21	4	–	2	348	82	–	–
June	36.0	23.0	40.6	16.6	42.8	9.6	35	19	2	–	1	348	84	–	–
July	39.9	26.5	42.4	21.4	44.3	18.8	27	15	1	–	1	361	85	–	–
August	39.0	26.1	41.9	20.9	43.1	18.2	28	17	5	–	2	335	82	–	–
September	33.9	21.7	38.3	16.3	40.9	13.2	41	24	8	–	3	297	83	–	–
October	27.2	15.2	33.0	9.8	36.3	6.8	51	31	13	–	3	280	80	–	–
November	21.0	9.5	26.5	4.4	29.6	−0.3	65	40	12	–	3	236	76	–	–
December	16.2	4.5	21.1	−0.7	24.6	−4.8	72	45	10	–	4	240	80	–	–
Year	27.2	14.8	42.7*	−1.6*	44.3	−4.8	49	29	97	–	28	3559	81	–	–
No. of Years	29	29	29	29	29	29	18	18	29	–	18	19	12	–	–

*Average of highest/lowest each year

ALGERIA

Biskra 34⁰ 48′ N 05⁰ 44′ E 87 m

Period 1941–69 Bibliography 4, 6, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	16.3	6.6	21.4	1.9	24.0	−2.4	68	49	12	–	3	224	73	–	–
February	18.7	7.9	23.7	3.4	29.0	−0.6	59	40	10	–	2	226	74	–	–
March	22.3	11.0	29.4	5.7	35.4	3.0	57	35	19	–	3	276	75	–	–
April	26.3	14.6	33.2	9.5	37.6	6.0	52	33	16	–	3	296	77	–	–
May	31.5	19.1	38.4	13.0	42.9	10.0	47	31	7	–	3	323	77	–	–
June	36.3	23.5	42.6	18.4	46.6	14.2	44	30	9	–	1	329	77	–	–
July	39.8	26.6	45.5	23.0	47.3	18.1	40	27	1	–	< 1	370	85	–	–
August	39.3	26.5	44.6	22.3	49.6	18.8	42	25	3	–	1	340	80	–	–
September	34.2	22.8	40.0	18.0	44.8	13.8	51	34	23	–	2	277	74	–	–
October	27.5	17.0	33.3	11.4	38.9	7.2	63	42	23	–	4	258	75	–	–
November	21.1	11.4	26.5	6.3	30.9	4.1	65	45	17	–	4	209	69	–	–
December	16.6	7.6	21.9	3.7	25.7	1.8	68	49	12	–	3	211	72	–	–
Year	27.5	16.2	46.2*	1.5*	49.6	−2.4	55	37	152	–	29	3339	76	–	–
No. of Years	28	28	21	21	21	21	21	20	29	–	22	16	12	–	–

Bordj Omar Driss (formerly Fort Flatters) 28⁰ 06′ N 06⁰ 42′ E 353 m

Period 1941–47 1954–63 Bibliography 2, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	19.4	2.1	26.0	−4.3	31.6	−7.0	58	31	< 1	–	< 1	262	–	–	–
February	22.9	5.1	30.3	−2.0	35.8	−8.2	48	25	1	–	< 1	274	–	–	–
March	26.5	8.8	35.8	1.5	39.3	−2.2	42	22	2	–	1	330	–	–	–
April	32.1	15.0	40.3	6.9	42.6	3.3	37	18	3	–	1	340	–	–	–
May	36.3	19.4	43.5	11.0	46.8	8.9	31	16	< 1	–	< 1	366	–	–	–
June	40.8	24.3	45.3	18.3	47.8	12.8	27	14	< 1	–	< 1	365	–	–	–
July	42.1	24.2	46.3	20.0	47.5	16.5	29	13	0	–	0	398	–	–	–
August	41.8	24.0	45.1	19.9	46.6	16.4	30	13	< 1	–	0	376	–	–	–
September	38.4	22.1	42.7	17.3	44.5	14.8	35	18	1	–	0	337	–	–	–
October	31.1	15.9	38.9	7.9	40.7	3.1	43	23	< 1	–	1	319	–	–	–
November	25.5	9.1	33.2	1.7	36.2	−0.4	54	32	1	–	1	277	–	–	–
December	19.4	3.8	26.1	2.8	29.0	−7.0	64	37	6	–	2	255	–	–	–
Year	31.4	14.5	46.4*	−5.6*	47.8	−8.2	41	22	14	–	7	3899	–	–	–
No. of Years	15	15	15	15	15	15	8	8	18	–	9	6	–	–	–

Constantine 36⁰ 17′ N 06⁰ 37′ E 694 m

Period 1941–70 Bibliography 1, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	11.8	2.1	18.7	−2.7	23.2	−8.8	88	71	65	–	14	135	46	–	–
February	13.4	1.8	20.8	−2.6	25.6	−7.0	85	63	53	–	12	153	49	–	–
March	17.0	3.8	24.9	−0.8	30.4	−6.0	85	60	48	–	11	206	54	–	–
April	19.1	5.9	28.3	1.4	32.5	−2.4	85	58	51	–	11	228	61	–	–
May	24.3	9.2	32.8	3.6	37.6	−1.4	81	52	42	–	8	286	66	–	–
June	29.4	13.5	37.1	8.6	43.2	3.0	74	45	24	–	6	292	67	–	–
July	34.1	16.1	39.9	11.5	44.1	8.1	66	39	9	–	3	348	77	–	–
August	34.1	16.7	39.6	12.1	44.8	7.8	70	41	11	–	4	322	77	–	–
September	29.6	14.3	36.1	9.5	41.0	5.0	79	47	35	–	8	255	69	–	–
October	22.9	9.9	29.8	4.7	35.0	−2.1	82	58	41	–	10	204	60	–	–
November	17.3	5.8	24.1	1.1	28.0	−3.3	85	64	53	–	12	145	49	–	–
December	13.2	2.9	18.8	−0.9	24.0	−4.6	87	72	81	–	13	129	43	–	–
Year	22.2	8.5	41.0*	−3.8*	44.8	−8.8	81	56	513	–	112	2702	60	–	–
No. of Years	19	19	30	30	30	30	30	30	30	–	30	17	12	–	–

*Average of highest/lowest each year

ALGERIA

Djanet 24º 33′ N 09º 28′ E 1054 m

Period 1941–69 Bibliography 2, 6, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	19.3	6.2	24.1	0.9	27.4	−3.8	46	25	1	–	< 1	284	–	–	–
February	22.5	9.4	28.2	3.7	32.6	0.0	41	21	2	–	< 1	274	–	–	–
March	26.1	12.8	31.3	7.3	36.2	3.7	34	18	2	–	1	328	–	–	–
April	30.9	18.3	35.8	12.3	39.8	8.2	31	16	< 1	–	1	319	–	–	–
May	34.7	22.2	38.9	17.2	41.0	10.9	32	17	4	–	1	334	–	–	–
June	37.1	25.3	39.7	21.7	42.1	17.0	30	16	1	–	1	354	–	–	–
July	36.5	25.2	39.6	21.9	41.2	19.8	27	15	< 1	–	< 1	377	–	–	–
August	35.9	25.0	38.7	21.8	40.6	18.5	29	16	2	–	1	373	–	–	–
September	34.5	22.9	37.1	19.3	39.8	17.0	33	19	5	–	2	306	–	–	–
October	31.2	19.1	34.8	14.8	36.3	12.2	37	21	2	–	1	305	–	–	–
November	25.9	12.9	30.5	7.9	35.0	3.2	38	24	2	–	1	274	–	–	–
December	20.6	7.8	25.1	2.7	29.1	−2.5	52	29	3	–	1	267	–	–	–
Year	29.6	17.3	40.2*	0.3*	42.1	−3.8	36	20	24	–	10	3795	–	–	–
No. of Years	29	29	21	21	21	21	10	10	29	–	11	15	–	–	–

Djelfa 34º 41′ N 03º 15′ E 1144 m

Period 1941–62 Bibliography 1, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	8.9	−0.5	16.7	−7.0	21.7	−11.0	86	64	38	–	12	165	–	–	–
February	11.4	−0.5	18.8	−6.1	26.0	−10.4	81	52	22	–	9	201	–	–	–
March	15.0	2.4	23.2	−4.2	27.0	−7.5	80	49	27	–	9	252	–	–	–
April	18.8	5.4	26.4	−1.7	31.5	−5.5	74	43	33	–	8	258	–	–	–
May	23.6	8.5	31.1	2.0	35.2	−0.6	66	35	28	–	9	319	–	–	–
June	29.9	13.6	35.8	7.5	39.0	4.0	58	29	18	–	7	327	–	–	–
July	34.2	16.4	38.2	11.5	40.5	9.2	50	23	9	–	4	355	–	–	–
August	33.5	16.1	37.3	10.8	39.4	6.0	52	25	17	–	6	325	–	–	–
September	28.0	12.9	34.0	6.4	37.0	1.8	64	31	40	–	7	304	–	–	–
October	20.6	7.4	26.8	0.9	32.0	−1.0	79	47	34	–	9	243	–	–	–
November	14.7	3.4	21.5	−3.1	27.0	−5.0	83	56	17	–	8	189	–	–	–
December	10.0	0.5	16.9	−5.5	23.6	−10.8	85	63	33	–	9	160	–	–	–
Year	20.7	7.1	38.4*	8.2*	40.5	−11.0	71	43	316	–	97	3098	–	–	–
No. of Years	21	19	21	19	21	19	19	19	21	–	12	7	–	–	–

El–Goléa 30º 34′ N 02º 52′ E 397 m

Period 1941–70 Bibliography 2, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.1	3.0	23.1	−2.2	27.4	−5.2	74	44	8	–	2	260	82	–	–
February	20.3	5.3	27.0	−0.7	33.0	−4.0	63	34	3	–	1	263	85	–	–
March	24.2	9.0	32.4	2.5	37.3	−1.4	56	29	5	–	1	320	86	–	–
April	28.1	13.3	36.1	6.6	40.2	3.3	48	25	2	–	1	325	84	–	–
May	33.2	17.9	40.1	10.6	44.6	7.3	41	22	1	–	1	355	84	–	–
June	38.8	23.0	44.2	16.7	47.0	11.1	36	19	1	–	< 1	358	85	–	–
July	41.0	25.7	45.4	20.9	47.6	15.7	33	18	< 1	–	< 1	387	91	–	–
August	40.7	25.3	39.3	20.8	47.0	17.8	34	17	< 1	–	< 1	367	89	–	–
September	36.1	22.1	41.7	15.9	45.1	12.1	46	27	2	–	1	313	84	–	–
October	29.2	15.3	36.1	8.3	40.0	1.8	55	32	5	–	2	293	84	–	–
November	22.9	8.8	29.1	2.9	33.8	0.0	67	38	3	–	1	249	80	–	–
December	17.4	4.7	23.2	−0.5	29.8	−5.8	74	45	12	–	2	254	82	–	–
Year	29.1	14.5	45.8*	−2.8*	47.6	−5.8	52	29	42	–	12	3744	85	–	–
No. of Years	28	28	28	28	28	28	17	17	28	–	18	16	12	–	–

*Average of highest/lowest each year

ALGERIA

Ghardaïa 32° 23′ N 03° 49′ E 441 m

Period 1941 1951–70 Bibliography 2, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	15.5	5.2	22.2	0.5	27.2	−2.2	69	47	10	–	3	247	–	–	–
February	18.6	7.8	25.7	1.5	31.8	−1.0	63	39	5	–	1	233	–	–	–
March	22.2	10.1	30.6	4.8	34.8	2.4	60	33	7	–	2	294	–	–	–
April	25.4	13.2	33.8	7.4	37.5	4.2	54	32	8	–	2	304	–	–	–
May	31.3	18.1	38.3	11.6	42.1	7.3	50	27	3	–	1	341	–	–	–
June	36.7	23.2	42.7	17.3	45.1	13.8	43	24	2	–	1	309	–	–	–
July	39.9	26.2	44.3	22.1	47.7	18.0	37	22	1	–	1	358	–	–	–
August	39.4	26.1	43.7	21.9	47.0	17.9	40	23	3	–	< 1	366	–	–	–
September	34.3	22.1	40.3	17.5	45.0	15.0	51	31	3	–	2	324	–	–	–
October	27.0	15.9	33.3	10.0	35.5	6.8	61	39	5	–	1	263	–	–	–
November	21.3	10.5	27.3	5.2	30.3	1.4	66	42	7	–	2	244	–	–	–
December	15.9	6.5	21.4	2.3	28.1	−2.1	74	50	7	–	2	250	–	–	–
Year	27.3	15.4	45.0*	−0.0*	47.7	−2.2	56	34	61	–	18	3533	–	–	–
No. of Years	18	18	18	18	18	18	17	17	18	–	18	16	–	–	–

Illizi (formerly Fort de Polignac) 26° 30′ N 08° 25′ E 557 m

Period 1941–61 Bibliography 2, 6	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	21.0	5.5	28.6	0.9	31.0	−2.5	59	31	1	–	1	265	–	–	–
February	24.6	8.3	32.0	2.1	36.0	−0.8	47	25	< 1	–	0	269	–	–	–
March	27.6	11.9	36.6	5.3	39.9	1.6	36	21	3	–	1	328	–	–	–
April	33.0	16.9	40.3	10.2	41.7	8.0	35	19	1	–	< 1	328	–	–	–
May	37.4	21.5	44.0	14.1	45.6	11.6	31	17	2	–	1	347	–	–	–
June	40.9	25.6	44.8	20.8	48.9	18.3	28	15	1	–	1	339	–	–	–
July	41.0	25.6	45.2	21.9	47.6	19.4	26	13	0	–	0	379	–	–	–
August	40.9	25.6	44.6	22.5	47.2	21.6	29	15	0	–	0	353	–	–	–
September	37.0	23.1	42.1	19.9	44.6	18.3	38	21	1	–	1	319	–	–	–
October	33.9	18.6	39.3	13.4	40.3	9.3	44	24	2	–	1	298	–	–	–
November	28.0	12.5	35.7	6.4	38.0	4.4	50	27	1	–	1	258	–	–	–
December	21.9	7.9	29.9	2.1	32.0	0.6	63	35	4	–	1	244	–	–	–
Year	32.3	16.9	45.7*	0.4*	48.9	−2.5	41	22	16	–	8	3727	–	–	–
No. of Years	12	12	12	12	12	12	7	7	16	–	9	7	–	–	–

In Salah 27° 12′ N 02° 28′ E 293 m

Period 1941–70 Bibliography 2, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	21.1	5.9	26.5	0.7	32.0	−3.3	57	33	2	–	1	271	82	–	–
February	24.5	9.2	30.8	3.2	35.4	−1.4	46	24	2	–	< 1	267	85	–	–
March	28.9	12.9	36.0	7.1	40.0	2.4	39	20	2	–	< 1	321	86	–	–
April	32.8	16.7	39.3	10.6	43.0	7.7	33	17	2	–	1	316	81	–	–
May	37.7	21.8	43.6	15.3	47.6	11.9	27	14	< 1	–	< 1	333	78	–	–
June	42.4	26.4	46.0	21.7	48.0	17.5	25	13	0	–	0	328	78	–	–
July	44.5	28.4	47.3	24.9	49.2	23.2	20	11	0	–	0	368	87	–	–
August	43.8	28.3	46.6	25.2	48.6	23.0	23	12	< 1	–	< 1	346	86	–	–
September	40.5	25.4	44.5	21.0	51.2	18.8	31	16	< 1	–	< 1	313	83	–	–
October	34.2	19.3	39.3	13.7	42.3	8.2	39	20	1	–	< 1	289	81	–	–
November	27.4	13.0	33.5	7.3	36.1	5.0	48	25	< 1	–	< 1	282	88	–	–
December	21.0	7.2	26.2	1.9	31.1	−2.8	59	33	5	–	2	258	83	–	–
Year	33.2	17.9	47.4*	−0.1*	51.2	−3.3	37	20	14	–	4	3692	83	–	–
No. of Years	25	25	25	25	25	25	15	15	25	–	16	15	12	–	–

*Average of highest/lowest each year

ALGERIA

Ksar—el—Boukhari (formerly Boghari) 35° 54′ N 02° 45′ E 637 m

Period 1941–62 Bibliography 1, 3, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	12.1	2.8	18.1	−1.8	24.9	−5.0	83	70	53	–	10	–	–	–	–
February	14.4	3.2	20.9	−1.8	29.3	−5.0	79	61	28	–	8	–	–	–	–
March	18.6	5.9	26.4	−0.3	30.6	−2.7	78	58	35	–	9	–	–	–	–
April	21.6	8.5	29.0	1.5	36.0	−2.8	77	50	49	–	7	–	–	–	–
May	26.0	11.5	33.9	5.3	39.4	2.0	73	43	31	–	6	–	–	–	–
June	32.4	15.4	39.1	11.1	49.0	7.0	66	37	17	–	5	–	–	–	–
July	37.3	18.6	41.5	15.1	45.0	12.4	57	28	4	–	2	–	–	–	–
August	36.7	18.5	40.8	14.5	42.1	11.0	57	30	6	–	2	–	–	–	–
September	31.7	16.7	37.6	11.5	39.9	4.5	65	39	23	–	4	–	–	–	–
October	23.6	11.2	29.9	4.5	36.0	0.0	76	53	32	–	7	–	–	–	–
November	17.5	6.9	23.7	1.1	28.2	−0.6	78	63	25	–	7	–	–	–	–
December	13.0	3.8	18.1	−1.3	22.4	−4.0	79	69	43	–	10	–	–	–	–
Year	23.7	10.3	42.5*	−3.3*	49.0	−5.0	72	50	346	–	77	–	–	–	–
No. of Years	20	16	20	16	20	16	15	15	23	–	15	–	–	–	–

Oran (Es—Senia) 35° 37′ N 00° 36′ W 90 m

Period 1941–70 Bibliography 1, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.0	7.1	21.7	1.8	27.3	−2.3	85	67	63	–	10	177	60	–	–
February	16.9	7.5	22.9	2.1	28.5	−2.0	84	63	54	–	9	178	59	–	–
March	19.3	9.7	27.8	4.2	34.2	0.3	84	61	40	–	9	239	68	–	–
April	20.6	11.4	26.9	6.1	30.9	1.0	84	60	40	–	8	249	66	–	–
May	24.1	14.2	31.1	9.2	39.6	3.1	82	57	22	–	5	306	70	–	–
June	26.9	17.5	33.5	13.3	40.6	9.9	82	61	10	–	3	303	71	–	–
July	30.1	20.1	37.0	16.0	44.2	11.5	82	58	2	–	1	339	77	–	–
August	30.8	20.5	37.2	16.1	41.2	10.0	82	57	1	–	1	325	79	–	–
September	28.7	18.6	35.0	13.7	41.1	8.7	83	58	10	–	3	279	76	–	–
October	24.6	14.5	30.8	8.6	35.2	1.2	84	58	33	–	6	232	67	–	–
November	20.5	10.9	27.5	5.7	32.0	2.6	86	63	44	–	9	169	55	–	–
December	16.8	7.9	22.2	2.3	27.0	−1.7	86	67	82	–	11	164	54	–	–
Year	22.9	13.3	39.1*	0.6*	44.2	−2.3	84	61	401	–	75	2960	67	–	–
No. of Years	27	27	27	27	27	27	24	24	27	–	27	16	12	–	–

Ouallene Bordj 24° 36′ N 01° 14′ E 346 m

Period 1941–61 Bibliography 2, 6	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.4	9.1	28.5	3.9	32.9	−0.4	43	23	2	–	< 1	282	–	–	–
February	26.7	12.2	32.7	6.4	35.7	3.6	36	20	1	–	< 1	277	–	–	–
March	30.9	15.8	36.3	9.5	40.0	6.8	34	19	1	–	< 1	342	–	–	–
April	34.9	20.1	39.9	13.6	41.8	10.1	27	16	1	–	< 1	340	–	–	–
May	39.4	24.5	43.7	17.2	46.4	14.0	25	15	< 1	–	< 1	344	–	–	–
June	43.6	29.4	45.9	23.9	48.0	20.9	21	12	1	–	1	335	–	–	–
July	44.7	30.6	46.7	26.1	47.7	21.4	21	12	2	–	1	355	–	–	–
August	43.7	30.0	45.9	25.1	47.0	21.3	26	15	4	–	2	330	–	–	–
September	41.3	27.3	43.9	23.7	45.4	21.9	28	15	4	–	1	314	–	–	–
October	36.3	22.2	40.0	16.5	41.5	13.5	32	17	< 1	–	1	315	–	–	–
November	30.1	16.2	35.3	10.6	37.8	7.2	41	24	< 1	–	1	285	–	–	–
December	24.3	11.2	29.7	5.1	33.3	2.9	47	28	2	–	1	262	–	–	–
Year	34.9	20.7	47.0*	3.6*	48.0	−0.4	32	18	18	–	8	3781	–	–	–
No. of Years	19	19	19	19	19	19	10	10	19	–	11	7	–	–	–

*Average of highest/lowest each year

ALGERIA

Ouargla 31º 54′ N 05º 20′ E 139 m

Period 1941–70 Bibliography 2, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.4	4.3	23.7	−0.9	28.9	−6.9	76	46	5	–	2	243	–	–	–
February	21.5	6.2	28.2	0.5	33.3	−5.4	68	37	4	–	1	254	–	–	–
March	26.1	9.4	34.0	3.3	39.8	−1.0	61	31	4	–	1	305	–	–	–
April	29.9	13.9	38.5	7.3	44.0	4.0	56	29	7	–	1	314	–	–	–
May	35.2	18.5	42.6	11.5	47.0	9.3	48	23	1	–	1	341	–	–	–
June	40.4	23.2	46.6	17.3	50.2	14.3	42	21	1	–	1	341	–	–	–
July	43.0	25.3	48.0	20.9	52.7	17.3	38	18	< 1	–	< 1	375	–	–	–
August	42.7	25.2	47.0	20.9	52.4	18.8	41	19	< 1	–	< 1	350	–	–	–
September	37.7	21.8	43.9	16.5	52.0	10.0	52	28	1	–	1	299	–	–	–
October	30.6	15.4	37.2	8.9	44.0	3.2	65	35	6	–	2	284	–	–	–
November	24.4	9.4	30.6	3.6	33.8	−1.0	71	42	5	–	2	231	–	–	–
December	19.3	5.5	24.1	0.4	29.7	−3.0	78	49	10	–	2	238	–	–	–
Year	30.8	14.8	48.6*	−1.9*	52.7	−6.9	58	31	44	–	14	3575	–	–	–
No. of Years	28	28	28	28	28	28	17	17	27	–	17	16	–	–	–

Sétif 36º 11′ N 05º 25′ E 1017 m

Period 1943 1951–62 Bibliography 1, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	8.5	−0.5	15.9	−6.4	19.2	−12.0	91	74	51	–	13	153	–	–	–
February	10.6	−0.6	17.5	−6.6	23.9	−12.8	89	63	43	–	9	191	–	–	–
March	14.1	2.1	22.4	−3.7	25.9	−6.6	87	57	39	–	11	227	–	–	–
April	16.9	4.5	24.1	−2.7	26.5	−5.9	85	55	41	–	9	233	–	–	–
May	22.2	8.2	29.9	1.0	32.6	−2.0	80	48	40	–	8	301	–	–	–
June	28.2	13.3	34.9	6.7	38.0	3.3	74	41	26	–	7	308	–	–	–
July	33.2	16.3	37.8	10.3	39.5	6.6	65	32	7	–	3	367	–	–	–
August	32.4	16.5	36.7	10.4	39.2	6.4	66	30	13	–	4	328	–	–	–
September	27.7	13.5	33.5	7.5	35.4	5.1	75	38	40	–	7	274	–	–	–
October	19.5	8.2	26.2	1.9	30.0	−2.3	84	58	42	–	9	208	–	–	–
November	13.7	4.0	20.3	−1.3	26.4	−3.6	90	66	36	–	11	155	–	–	–
December	10.2	1.4	16.4	−3.3	20.6	−5.3	89	72	57	–	11	152	–	–	–
Year	19.8	7.2	38.1*	−8.0*	39.5	−12.8	81	53	435	–	102	2897	–	–	–
No. of Years	13	13-	13	13	13	13	12	12	22	–	12	8	–	–	–

Skikda (formerly Philippeville) 36º 52′ N 06º 57′ E 7 m

Period 1941 1950–70 Bibliography 1, 5, 6, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.2	7.4	22.3	2.5	26.4	0.0	83	65	123	–	15	142	46	–	–
February	17.0	6.8	24.7	2.2	30.6	−0.5	84	60	87	–	11	161	50	–	–
March	18.2	8.3	26.6	2.7	30.9	−0.6	83	61	61	–	12	216	56	–	–
April	19.8	10.1	28.1	5.7	34.6	4.4	83	63	71	–	10	234	61	–	–
May	22.9	12.7	32.2	7.5	36.4	6.2	82	63	33	–	7	304	68	–	–
June	25.6	15.8	34.7	11.6	40.0	8.7	82	65	16	–	5	312	71	–	–
July	28.8	18.0	37.2	13.5	44.4	10.2	78	61	2	–	1	367	81	–	–
August	29.9	19.1	41.0	15.1	44.0	12.3	80	59	6	–	3	334	80	–	–
September	27.9	17.5	37.6	14.1	42.0	11.6	88	63	40	–	7	268	73	–	–
October	24.4	14.5	30.8	9.3	37.2	7.8	86	61	112	–	12	203	62	–	–
November	20.5	11.0	27.5	5.5	33.0	3.0	84	60	118	–	13	153	50	–	–
December	16.9	8.3	23.0	4.0	27.0	2.4	82	64	133	–	16	131	42	–	–
Year	22.3	12.5	41.2*	0.8*	44.4	−0.6	83	62	802	–	112	2825	62	–	–
No. of Years	17	17	8	8	8	8	13	13	19	–	13	15	12	–	–

---

*Average of highest/lowest each year

ALGERIA

Tamanrasset 22º 47′ N 05º 31′ E 1377 m

Period 1941–70 Bibliography 2, 5, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	20.2	5.0	24.1	−0.7	28.0	−3.1	36	18	1	–	< 1	283	89	–	–
February	22.9	7.5	27.2	1.5	30.2	−4.7	31	15	1	–	< 1	265	84	–	–
March	25.6	10.3	29.4	4.6	33.0	0.4	29	14	< 1	–	< 1	306	85	–	–
April	29.0	14.3	32.8	8.1	37.1	4.1	27	14	3	–	1	302	80	–	–
May	32.4	18.1	35.6	12.6	38.0	7.0	26	14	3	–	1	316	79	–	–
June	34.7	21.8	37.2	17.5	38.9	15.2	27	16	7	–	3	284	70	–	–
July	34.6	22.2	36.9	18.0	38.4	13.2	25	15	3	–	2	333	79	–	–
August	34.0	21.7	36.3	18.1	38.3	16.5	32	18	13	–	3	310	79	–	–
September	32.4	20.1	34.9	16.5	39.0	14.3	33	18	12	–	3	271	75	–	–
October	29.0	15.9	32.1	11.1	33.8	6.5	37	20	4	–	2	263	70	–	–
November	24.9	10.9	28.2	5.8	29.3	1.3	39	20	4	–	1	248	72	–	–
December	20.7	6.6	24.7	0.2	28.2	−4.5	38	19	3	–	< 1	250	75	–	–
Year	28.4	14.5	37.6*	−1.8*	39.0	−4.7	32	17	54	–	16	3431	78	–	–
No. of Years	28	28	28	28	28	28	17	17	28	–	18	19	12	–	–

Tébessa 35º 29′ N 08º 08′ E 863 m

Period 1941–62 Bibliography 1, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	10.7	1.8	18.3	−3.3	26.8	−7.5	82	61	23	–	8	162	–	–	–
February	12.8	2.3	20.4	−3.0	26.6	−6.0	78	52	19	–	6	207	–	–	–
March	16.1	4.7	25.2	−1.3	29.8	−5.3	75	48	31	–	7	249	–	–	–
April	19.9	7.5	27.9	1.1	33.1	−1.5	71	44	49	–	8	240	–	–	–
May	25.0	11.0	32.9	3.6	36.6	−0.9	69	42	37	–	6	311	–	–	–
June	30.4	15.3	37.1	9.8	40.4	5.6	64	37	31	–	6	306	–	–	–
July	34.1	17.9	39.3	12.9	41.5	9.8	59	33	10	–	3	382	–	–	–
August	33.7	17.8	38.6	13.1	41.2	9.0	63	36	22	–	4	330	–	–	–
September	29.0	15.1	34.5	9.4	38.2	5.0	73	42	34	–	6	283	–	–	–
October	21.7	10.5	28.7	4.8	34.0	0.5	81	52	35	–	7	223	–	–	–
November	15.9	6.1	23.1	0.4	28.0	−2.1	81	57	37	–	7	182	–	–	–
December	11.7	3.0	18.3	−2.0	25.3	−6.5	83	63	31	–	8	163	–	–	–
Year	21.7	9.4	39.9*	−4.1*	41.5	−7.5	73	47	359	–	76	3038	–	–	–
No. of Years	22	22-	22	22	22	22	20	19	22	–	22	7	–	–	–

Timimoun 29º 15′ N 00º 17′ E 312 m

Period 1941–69 Bibliography 2, 6, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	19.2	4.7	24.1	0.1	28.4	−2.0	65	40	3	–	1	271	84	–	–
February	22.9	7.7	28.5	2.3	34.0	−1.8	53	33	2	–	< 1	260	83	–	–
March	27.0	11.6	34.3	5.8	39.4	1.5	42	24	1	–	< 1	322	86	–	–
April	31.1	15.2	38.3	9.7	43.1	6.0	39	21	3	–	1	327	85	–	–
May	36.3	20.0	43.2	13.9	46.3	10.5	34	18	2	–	< 1	348	82	–	–
June	41.8	24.9	46.9	19.5	50.0	17.1	28	15	< 1	–	< 1	354	84	–	–
July	44.7	27.7	48.7	24.1	50.6	22.1	25	14	0	–	< 1	379	89	–	–
August	43.8	27.2	47.8	23.7	50.7	16.0	28	15	< 1	–	< 1	356	87	–	–
September	39.2	23.7	44.6	19.4	48.1	18.2	34	18	1	–	< 1	302	80	–	–
October	31.7	17.1	38.8	12.0	42.8	10.8	47	27	4	–	1	288	81	–	–
November	25.2	11.2	31.1	6.5	37.0	4.2	59	34	2	–	1	257	81	–	–
December	19.4	5.8	25.4	1.8	31.1	−0.0	67	42	4	–	2	259	83	–	–
Year	31.9	16.4	49.2*	0.1*	50.7	−2.0	43	25	22	–	6	3723	84	–	–
No. of Years	28	27	20	20	20	20	10	10	28	–	11	16	12	–	–

*Average of highest/lowest each year

ALGERIA

Tindouf 27° 40′ N 08° 08′ W 401 m

Period 1941–69 Bibliography 2, 6, 7	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	20.9	6.4	25.4	2.0	29.6	−0.8	70	44	5	–	1	256	79	–	–
February	23.4	8.0	28.6	3.6	34.4	0.4	60	34	3	–	1	263	85	–	–
March	27.2	11.1	34.0	6.5	39.6	3.0	58	28	5	–	1	300	81	–	–
April	30.4	13.6	36.7	9.1	42.1	4.3	58	25	2	–	< 1	341	90	–	–
May	34.1	16.4	41.4	10.5	44.8	8.4	56	22	1	–	< 1	352	85	–	–
June	38.2	19.0	44.1	13.8	48.0	11.5	55	22	0	–	0	358	86	–	–
July	43.4	25.3	47.3	16.9	50.1	14.0	36	15	1	–	< 1	339	81	–	–
August	42.6	25.4	46.2	17.9	49.5	13.0	35	16	3	–	1	319	79	–	–
September	37.7	21.6	43.7	14.8	46.6	11.2	45	21	10	–	1	283	77	–	–
October	31.3	16.6	37.8	11.2	42.0	8.7	60	33	13	–	2	288	81	–	–
November	25.3	11.9	31.8	7.2	36.0	3.4	68	41	10	–	2	248	77	–	–
December	21.0	6.9	25.7	3.2	29.3	−1.0	73	46	6	–	2	255	80	–	–
Year	31.3	15.2	47.4*	1.4*	50.1	−1.0	56	29	59	–	11	3602	82	–	–
No. of Years	27	27	19	19	19	19	10	10	28	–	10	12	12	–	–

Tlemcen 34° 50′ N 01° 16′ W 587 m

Period 1941–70 Bibliography 1, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	12.5	5.2	19.6	0.6	26.0	−3.0	71	64	92	–	10	–	–	–	–
February	14.1	5.8	21.7	0.7	30.5	−2.5	66	57	75	–	8	–	–	–	–
March	16.7	7.8	25.6	2.5	30.2	−1.0	67	55	83	–	8	–	–	–	–
April	18.1	8.6	26.3	4.2	31.5	0.0	67	59	91	–	8	–	–	–	–
May	22.6	11.8	30.8	6.6	38.0	3.0	63	55	68	–	6	–	–	–	–
June	26.7	15.1	33.9	10.3	37.8	7.5	62	51	17	–	3	–	–	–	–
July	31.3	18.4	37.6	14.1	40.0	12.0	55	47	3	–	1	–	–	–	–
August	31.5	18.8	37.1	14.5	40.0	11.0	58	48	9	–	2	–	–	–	–
September	28.0	16.3	34.4	11.6	39.0	9.0	63	52	26	–	3	–	–	–	–
October	21.4	12.6	28.7	7.6	33.5	2.0	68	57	60	–	5	–	–	–	–
November	17.5	9.1	24.5	4.2	28.5	−0.2	70	61	49	–	7	–	–	–	–
December	12.9	6.0	19.7	0.8	27.0	−5.0	73	63	119	–	9	–	–	–	–
Year	21.1	11.3	38.7*	−0.7*	40.0	−5.0	65	56	692	–	70	–	–	–	–
No. of Years	26	26	27	26	27	26	23	27	29	–	18	–	–	–	–

Touggourt 33° 04′ N 06° 05′ E 85 m

Period 1941–62 Bibliography 2, 5	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.8	4.2	21.8	−0.3	28.7	−5.2	75	53	7	–	3	230	–	–	–
February	19.7	5.6	25.7	0.6	31.1	−2.5	70	49	3	–	2	251	–	–	–
March	23.4	9.2	32.2	3.6	38.6	1.0	67	44	10	–	3	301	–	–	–
April	27.7	13.6	36.4	8.3	40.0	5.0	62	37	7	–	2	320	–	–	–
May	33.0	18.3	41.7	11.5	46.6	5.0	58	35	2	–	1	347	–	–	–
June	38.2	23.1	44.9	18.0	49.3	13.9	52	32	2	–	1	341	–	–	–
July	41.2	25.4	46.9	21.4	48.4	18.6	48	30	< 1	–	< 1	391	–	–	–
August	40.6	25.1	46.0	21.5	49.2	19.9	52	29	1	–	< 1	368	–	–	–
September	36.1	21.7	42.3	16.3	47.0	11.4	58	36	2	–	1	315	–	–	–
October	28.8	15.4	35.3	9.1	41.0	5.9	68	42	4	–	2	279	–	–	–
November	22.5	9.2	28.2	4.1	31.8	1.5	70	50	7	–	3	229	–	–	–
December	18.0	5.6	23.1	1.3	28.0	−1.0	78	56	9	–	3	224	–	–	–
Year	28.8	14.7	47.6*	−1.1*	49.3	−5.2	63	41	54	–	21	3596	–	–	–
No. of Years	22	22	22	22	22	22	21	17	22	–	11	7	–	–	–

---

*Average of highest/lowest each year

ANGOLA

Cabinda 05° 33′ S 12° 11′ E 20 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.8	23.0	30.2	21.2	32.7	20.0	84	72	97	109	9	–	36	–	–
February	30.3	23.0	31.9	21.3	32.8	19.0	85	71	127	95	11	–	38	–	–
March	30.7	23.2	32.4	21.2	33.9	18.3	84	71	152	165	13	–	41	–	–
April	30.4	23.2	32.1	21.5	33.2	18.2	85	75	144	109	13	–	42	–	–
May	29.0	22.3	31.2	20.2	33.0	16.4	85	72	52	90	5	–	36	–	–
June	26.8	19.6	28.8	17.0	30.4	13.5	83	66	< 1	2	< 1	–	34	–	–
July	25.3	18.0	27.2	15.7	28.4	12.6	83	65	< 1	3	< 1	–	30	–	–
August	25.4	18.7	27.3	15.9	29.2	12.0	82	65	1	12	1	–	25	–	–
September	26.5	20.5	28.8	18.3	32.5	15.5	82	68	6	10	7	–	18	–	–
October	28.0	22.4	29.9	20.5	33.0	18.8	82	71	40	90	15	–	19	–	–
November	28.8	22.9	30.7	21.2	33.2	19.2	82	73	126	135	15	–	29	–	–
December	29.3	23.0	31.3	21.3	34.3	19.2	83	72	87	111	9	–	34	–	–
Year	28.4	21.7	32.7*	15.1*	34.3	12.0	83	70	832	165	98	–	32	–	–
No. of Years	29	29	29	29	29	29	18	12	29	30	18	–	20	–	–

Cangamba 13° 42′ S 19° 52′ E 1320 m

Period 1947–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.9	15.9	32.0	13.4	35.0	9.0	75	–	221	83	15	–	–	–	–
February	28.6	16.1	31.7	13.1	38.5	11.0	78	–	189	69	14	–	–	–	–
March	29.0	15.3	31.9	12.0	40.5	5.0	78	–	206	80	16	–	–	–	–
April	29.9	13.1	32.9	8.4	43.0	4.4	72	–	73	85	6	–	–	–	–
May	29.5	8.1	32.5	3.6	41.5	0.0	65	–	3	10	1	–	–	–	–
June	27.7	4.9	30.7	1.6	41.0	–3.0	61	–	0	0	0	–	–	–	–
July	27.2	4.0	30.0	1.0	37.0	–6.6	57	–	0	0	0	–	–	–	–
August	29.6	5.5	33.3	2.2	39.0	–3.6	53	–	2	10	< 1	–	–	–	–
September	31.7	10.2	34.2	5.1	37.0	1.0	55	–	6	15	1	–	–	–	–
October	31.4	13.7	34.5	9.8	37.2	7.6	62	–	28	47	4	–	–	–	–
November	29.6	15.3	33.4	11.6	36.5	8.2	71	–	118	72	11	–	–	–	–
December	29.1	15.9	32.2	13.6	34.5	10.5	73	–	183	65	13	–	–	–	–
Year	29.3	11.5	36.4*	0.3*	41.5	–6.6	67	–	1029	85	81	–	–	–	–
No. of Years	23	19	23	19	23	19	18	–	24	24	18	–	–	–	–

Caungula 08° 25′ S 18° 37′ E 1120 m

Period 1949–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.2	16.2	29.9	14.5	31.9	10.6	81	–	153	62	11	–	–	–	–
February	27.1	16.3	30.0	14.7	33.0	11.6	79	–	170	94	10	–	–	–	–
March	27.4	16.2	30.2	14.4	32.4	10.9	81	–	243	79	14	–	–	–	–
April	27.9	16.2	30.4	14.7	31.7	10.9	76	–	213	77	14	–	–	–	–
May	29.1	15.3	31.0	13.7	32.7	11.0	61	–	28	43	3	–	–	–	–
June	29.3	13.6	31.0	11.3	32.3	9.0	47	–	2	27	< 1	–	–	–	–
July	28.9	13.9	30.5	11.2	32.1	8.0	52	–	5	25	1	–	–	–	–
August	29.0	14.6	31.2	12.1	33.5	8.5	66	–	33	43	3	–	–	–	–
September	27.8	15.4	30.4	13.4	32.8	8.1	75	–	104	54	9	–	–	–	–
October	27.5	15.5	29.9	13.6	31.8	10.1	77	–	177	48	13	–	–	–	–
November	27.1	15.9	29.5	14.4	31.3	12.0	80	–	269	75	16	–	–	–	–
December	27.0	16.0	29.7	14.6	31.0	12.0	80	–	227	66	14	–	–	–	–
Year	27.9	15.4	32.4*	10.4*	33.5	8.0	71	–	1624	94	108	–	–	–	–
No. of Years	20	20	20	20	20	20	17	–	20	22	17	–	–	–	–

*Average of highest/lowest each year

ANGOLA

Cazombo 11º 54′ S 22º 54′ E 1180 m

Period 1949–57 1968–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	—							
			degrees Celsius				per cent		millimetres			hours		hours	
January	27.9	17.6	31.1	15.5	35.5	11.5	77	—	305	84	19	—	—	—	—
February	27.5	17.6	30.5	15.0	32.0	11.0	77	—	232	99	15	—	—	—	—
March	28.1	17.4	31.3	15.1	33.0	12.0	73	—	256	101	16	—	—	—	—
April	29.3	16.5	31.8	13.6	34.0	11.0	66	—	79	105	8	—	—	—	—
May	29.5	13.1	31.4	9.7	35.4	5.5	52	—	7	31	1	—	—	—	—
June	27.5	9.7	29.5	7.0	31.5	1.5	39	—	0	0	0	—	—	—	—
July	28.5	10.0	30.6	6.6	32.0	4.5	39	—	0	0	0	—	—	—	—
August	31.0	11.9	33.5	8.3	34.7	6.0	36	—	5	47	< 1	—	—	—	—
September	32.7	14.8	35.0	11.3	35.7	10.0	37	—	19	36	2	—	—	—	—
October	32.1	16.4	35.1	13.4	36.0	11.4	53	—	85	92	7	—	—	—	—
November	29.1	17.3	33.0	14.9	36.5	11.5	68	—	172	60	15	—	—	—	—
December	28.0	17.6	31.2	15.2	34.5	11.0	77	—	250	92	19	—	—	—	—
Year	29.3	15.0	35.4*	5.7*	36.5	1.5	58	—	1410	105	102	—	—	—	—
No. of Years	12	12	12	12	12	12	6	—	12	12	8	—	—	—	—

Ceilunga 12º 16′ S 17º 00′ E 1660 m

Period 1943–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	—							
			degrees Celsius				per cent		millimetres			hours		hours	
January	24.8	13.8	27.8	11.1	29.5	4.0	77	—	211	73	20	—	—	—	—
February	24.9	13.7	28.0	11.2	33.0	7.0	75	—	181	97	16	—	—	—	—
March	24.5	14.0	27.0	11.4	29.0	5.5	77	—	208	77	19	—	—	—	—
April	24.8	13.1	27.1	9.8	29.5	0.3	73	—	104	121	13	—	—	—	—
May	24.7	9.6	27.2	5.0	29.6	−1.0	57	—	11	50	2	—	—	—	—
June	23.8	6.1	26.3	2.6	29.8	−5.0	48	—	< 1	11	< 1	—	—	—	—
July	24.1	6.7	27.1	3.4	29.5	0.0	44	—	0	0	0	—	—	—	—
August	26.1	9.2	28.9	4.6	32.6	0.0	39	—	4	37	1	—	—	—	—
September	28.2	12.2	30.3	7.9	31.9	3.5	47	—	21	41	3	—	—	—	—
October	27.0	13.6	30.1	11.0	32.0	6.0	64	—	98	49	12	—	—	—	—
November	24.5	13.8	28.0	11.8	31.5	6.5	75	—	195	106	19	—	—	—	—
December	24.4	14.0	27.5	11.8	29.3	5.0	76	—	255	100	21	—	—	—	—
Year	25.1	11.7	30.8*	2.0*	33.0	−5.0	63	—	1288	121	126	—	—	—	—
No. of Years	27	26-	27	26	27	26	18	—	28	28	18	—	—	—	—

Chitembo 13º 31′ S 16º 46′ E 1600 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900								
			degrees Celsius				per cent		millimetres			hours		hours	
January	26.4	15.2	29.9	12.9	32.1	9.0	73	—	205	89	15	—	—	—	—
February	26.7	15.4	29.6	13.2	33.4	9.8	68	—	167	60	13	—	—	—	—
March	26.6	15.4	29.4	13.2	33.5	11.0	74	—	245	97	18	—	—	—	—
April	27.0	14.6	28.9	11.9	31.0	9.5	65	—	91	61	10	—	—	—	—
May	26.3	11.4	29.0	7.2	33.4	−0.2	53	—	10	29	1	—	—	—	—
June	25.1	8.2	27.7	4.5	33.6	−3.5	45	—	< 1	< 1	< 1	—	—	—	—
July	25.5	7.8	28.5	4.3	32.0	−8.3	40	—	0	0	0	—	—	—	—
August	28.1	10.2	30.7	6.2	33.4	−5.0	34	—	< 1	2	< 1	—	—	—	—
September	30.2	14.0	32.4	10.3	35.0	4.8	43	—	15	88	2	—	—	—	—
October	29.3	15.0	32.3	12.3	35.5	7.0	58	—	73	50	9	—	—	—	—
November	27.3	15.0	30.3	12.6	35.0	7.1	68	—	141	67	12	—	—	—	—
December	26.5	15.4	29.8	13.5	32.3	11.0	71	—	196	85	15	—	—	—	—
Year	27.1	13.1	34.2*	3.5*	35.5	−8.3	58	—	1143	97	95	—	—	—	—
No. of Years	28	29	27	28	27	28	15	—	28	26	16	—	—	—	—

*Average of highest/lowest each year

ANGOLA

Coemba 12° 08′ S 18° 05′ E 1300 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	26.6	16.5	30.3	13.3	33.0	9.0	81	–	251	120	18	–	–	–	–
February	26.6	16.4	30.0	13.3	33.0	10.9	80	–	224	80	16	–	–	–	–
March	27.2	18.1	30.5	12.5	33.0	10.0	79	–	234	80	19	–	–	–	–
April	28.3	14.8	30.9	10.3	34.0	7.0	73	–	101	126	9	–	–	–	–
May	28.4	8.9	31.1	3.4	34.0	–0.5	61	–	12	37	2	–	–	–	–
June	27.2	3.7	29.8	–0.2	33.0	–4.5	56	–	1	13	< 1	–	–	–	–
July	27.2	3.3	29.7	–0.5	32.0	–4.0	53	–	< 1	2	< 1	–	–	–	–
August	29.1	6.8	31.7	1.3	34.0	–1.0	47	–	4	35	< 1	–	–	–	–
September	30.9	11.8	33.1	5.7	35.5	1.0	53	–	21	40	3	–	–	–	–
October	29.5	15.3	32.8	11.1	36.0	3.4	67	–	109	55	12	–	–	–	–
November	26.8	16.0	30.7	12.9	35.0	9.0	75	–	197	60	18	–	–	–	–
December	26.4	16.4	29.8	13.0	34.0	10.0	78	–	227	128	18	–	–	–	–
Year	27.9	12.3	33.4*	–1.0*	36.0	–4.5	67	–	1381	128	115	–	–	–	–
No. of Years	30	29	28	28	28	28	18	–	30	30	18	–	–	–	–

Dirico 17° 58′ S 20° 47′ E 1200 m

Period 1955–70 Bibliography 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	31.9	19.2	35.4	16.5	37.7	13.0	61	–	94	69	11	–	–	–	–
February	30.8	19.3	34.2	16.6	36.1	13.9	65	–	133	61	13	–	–	–	–
March	30.6	19.0	34.0	16.8	37.7	15.4	66	–	94	48	11	–	–	–	–
April	31.0	17.1	33.9	13.5	35.0	12.0	58	–	26	50	4	–	–	–	–
May	28.8	12.3	32.0	7.5	33.0	2.0	45	–	3	9	1	–	–	–	–
June	26.1	8.4	29.9	4.5	31.4	–1.4	49	–	< 1	1	< 1	–	–	–	–
July	26.0	8.3	29.5	4.6	31.5	1.4	46	–	< 1	2	< 1	–	–	–	–
August	29.0	10.7	33.9	6.1	35.6	2.5	39	–	< 1	< 1	< 1	–	–	–	–
September	33.5	15.0	36.4	10.4	38.2	4.9	34	–	5	17	1	–	–	–	–
October	35.2	18.4	38.8	13.7	40.0	10.5	38	–	17	56	2	–	–	–	–
November	33.0	18.5	37.5	15.2	39.2	10.0	53	–	46	61	6	–	–	–	–
December	32.7	18.7	36.8	16.0	38.1	11.0	57	–	130	70	10	–	–	–	–
Year	30.7	15.4	38.6*	3.0*	40.0	–1.4	51	–	548	70	59	–	–	–	–
No. of Years	14	14	12	12	12	12	13	–	14	16	13	–	–	–	–

Dundo 07° 24′ S 20° 49′ E 775 m

Period 1951–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						per cent		millimetres			hours		hours	
January	28.8	19.7	32.0	17.9	33.5	17.2	92	68	203	93	18	–	44	–	–
February	29.2	19.8	32.1	18.0	34.6	17.0	91	66	160	108	17	–	44	–	–
March	29.2	19.8	32.3	18.1	34.3	17.1	91	66	229	87	21	–	45	–	–
April	29.6	19.8	32.2	18.0	33.7	17.2	90	64	211	108	20	–	52	–	–
May	30.7	18.5	32.6	15.2	34.5	13.3	81	49	50	74	6	–	71	–	–
June	31.1	16.5	32.8	13.6	34.7	12.0	69	34	8	33	1	–	81	–	–
July	31.1	16.6	32.7	13.5	33.6	10.3	69	33	5	39	1	–	77	–	–
August	30.9	18.6	33.3	15.2	35.0	11.6	81	44	33	74	5	–	68	–	–
September	30.0	19.4	32.8	17.4	34.7	16.2	88	57	93	56	11	–	57	–	–
October	29.5	19.5	32.3	17.8	33.6	16.8	87	60	155	82	15	–	56	–	–
November	28.6	19.5	31.7	18.1	33.0	17.0	90	65	267	137	21	–	47	–	–
December	28.6	19.7	31.4	18.1	33.1	17.1	91	67	239	126	21	–	43	–	–
Year	29.8	18.9	33.7*	13.0*	35.0	10.3	85	56	1653	137	157	–	57	–	–
No. of Years	20	20	20	20	20	20	18	12	20	20	18	–	14	–	–

*Average of highest/lowest each year

ANGOLA

Gangassol 09° 17′ S 16° 22′ E 1110 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.7	15.9	30.8	13.4	33.0	1.0	80	–	84	61	9	–	–	–	–
February	28.3	15.9	31.1	13.2	35.0	6.4	81	–	111	93	10	–	–	–	–
March	28.1	15.9	30.8	12.8	32.4	5.1	82	–	191	79	16	–	–	–	–
April	27.9	15.6	30.2	13.0	32.0	4.5	82	–	161	75	15	–	–	–	–
May	29.1	12.5	30.8	7.5	32.2	−1.0	70	–	19	37	3	–	–	–	–
June	29.2	9.0	30.9	5.1	31.6	−3.5	61	–	1	13	< 1	–	–	–	–
July	29.4	9.1	31.3	4.9	34.2	−3.7	68	–	< 1	8	< 1	–	–	–	–
August	29.8	11.8	31.0	7.4	34.0	0.6	76	–	4	22	1	–	–	–	–
September	29.4	14.4	32.3	11.8	35.3	1.5	78	–	48	65	7	–	–	–	–
October	28.1	15.5	31.0	13.4	33.0	5.5	80	–	136	95	12	–	–	–	–
November	27.1	15.8	29.7	13.3	31.5	5.0	81	–	202	79	17	–	–	–	–
December	27.3	15.9	30.0	13.7	31.5	5.0	80	–	123	133	11	–	–	–	–
Year	28.5	13.9	33.0*	4.1*	35.3	−3.7	77	–	1080	133	101	–	–	–	–
No. of Years	29	29	29	29	29	29	30	–	30	30	18	–	–	–	–

Huambo (formerly Nova Lisboa) 12° 48′ S 15° 45′ E 1700 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	24.9	14.4	28.2	11.7	31.2	8.9	79	62	220	86	20	–	36	–	–
February	25.2	14.2	28.2	11.7	31.1	8.4	76	53	179	79	17	–	39	–	–
March	25.0	14.4	27.7	11.7	29.8	9.3	81	62	239	89	22	–	38	–	–
April	25.5	13.7	27.5	10.7	29.5	7.4	74	54	146	86	14	–	50	–	–
May	25.4	10.5	27.4	7.0	29.0	4.6	56	36	14	56	3	–	74	–	–
June	24.6	7.8	26.6	4.9	28.4	2.1	46	25	< 1	< 1	< 1	–	80	–	–
July	25.0	7.9	27.2	5.0	28.5	2.0	42	22	< 1	1	< 1	–	79	–	–
August	27.2	10.3	29.6	6.9	30.9	4.7	36	19	1	16	< 1	–	73	–	–
September	28.7	13.0	30.9	9.5	32.0	7.7	46	25	19	27	4	–	59	–	–
October	27.3	14.2	30.6	11.9	32.0	9.4	65	44	119	70	16	–	44	–	–
November	25.2	14.3	28.5	12.2	30.7	7.5	75	59	227	70	21	–	36	–	–
December	24.9	14.3	28.4	12.1	30.4	9.2	77	61	234	76	21	–	35	–	–
Year	25.7	12.4	31.1*	4.5*	32.0	2.0	63	43	1398	89	138	–	54	–	–
No. of Years	30	30	30	30	30	30	18	12	30	30	18	–	23	–	–

Lobito 12° 22′ S 13° 32′ E 1 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.6	22.2	30.5	19.9	33.4	13.2	75	69	10	20	5	–	47	–	–
February	29.5	22.9	31.4	20.5	35.0	16.4	73	67	35	138	5	–	55	–	–
March	30.2	23.7	31.8	21.6	34.5	18.0	76	70	111	149	11	–	53	–	–
April	29.9	23.6	31.9	21.5	34.3	19.3	79	73	55	130	6	–	58	–	–
May	27.9	21.3	30.7	18.1	34.4	14.0	78	73	5	41	1	–	59	–	–
June	24.6	18.0	27.3	14.6	32.7	10.2	79	72	< 1	< 1	< 1	–	50	–	–
July	22.9	16.8	25.0	13.7	29.0	10.4	81	72	< 1	1	< 1	–	38	–	–
August	23.0	16.5	25.2	14.0	29.2	10.9	81	71	< 1	3	< 1	–	37	–	–
September	24.2	18.1	26.3	15.6	27.8	13.9	79	72	2	23	1	–	43	–	–
October	26.1	20.5	28.2	18.0	30.4	15.7	78	73	10	27	6	–	40	–	–
November	28.0	22.2	29.7	20.5	32.2	17.4	75	72	18	44	8	–	48	–	–
December	28.2	22.1	29.9	20.0	32.5	15.7	75	70	22	63	7	–	47	–	–
Year	26.9	20.7	32.6*	13.0*	35.0	10.2	77	71	268	149	50	–	48	–	–
No. of Years	30	30	30	30	30	30	18	12	30	30	18	–	22	–	–

*Average of highest/lowest each year

ANGOLA

Luan (formerly Teixeira de Sousa) 10° 38′ S 22° 15′ E 1020 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.1	17.1	32.5	15.4	39.0	10.0	76	–	227	113	16	–	–	–	–
February	29.0	17.1	32.2	15.4	40.0	10.0	77	–	221	97	16	–	–	–	–
March	29.1	17.1	32.2	15.4	37.0	10.0	75	–	240	80	16	–	–	–	–
April	29.8	16.3	31.9	14.4	34.5	9.0	67	–	115	58	10	–	–	–	–
May	30.0	14.4	32.0	11.4	35.0	4.5	51	–	9	50	1	–	–	–	–
June	28.7	12.1	31.4	9.1	33.5	2.5	46	–	1	35	< 1	–	–	–	–
July	29.3	11.9	31.5	9.1	33.0	4.0	41	–	< 1	3	< 1	–	–	–	–
August	31.3	14.4	33.8	11.1	35.5	5.0	42	–	5	27	1	–	–	–	–
September	32.7	16.2	35.3	13.0	38.0	5.0	52	–	29	50	3	–	–	–	–
October	31.7	16.9	34.6	14.7	37.0	10.0	64	–	103	91	9	–	–	–	–
November	29.8	17.0	33.4	14.8	38.5	10.0	73	–	193	68	13	–	–	–	–
December	28.6	17.0	32.1	15.1	38.8	10.0	76	–	250	96	17	–	–	–	–
Year	29.9	15.6	35.7*	8.6*	40.0	2.5	62	–	1393	113	102	–	–	–	–
No. of Years	28	28	28	28	28	28	18	–	28	28	18	–	–	–	–

Luanda 08° 49′ S 13° 13′ E 44 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.5	23.6	31.3	22.2	32.5	20.6	78	73	30	132	4	216	56	–	–
February	30.3	24.1	32.2	22.2	33.6	19.9	76	71	36	62	5	203	58	–	–
March	30.6	24.3	32.5	22.3	34.4	20.9	79	73	114	148	9	208	55	–	–
April	30.2	23.9	32.5	22.1	34.6	21.3	82	77	136	151	11	193	54	–	–
May	28.6	22.8	31.4	20.5	35.6	18.4	81	77	16	59	2	228	63	–	–
June	25.5	19.8	28.0	17.3	32.7	14.5	80	75	< 1	2	< 1	206	58	–	–
July	23.5	18.1	25.8	16.1	28.4	14.6	83	77	< 1	1	< 1	168	45	–	–
August	23.6	18.2	25.9	16.5	28.7	15.0	84	77	1	5	1	145	40	–	–
September	25.2	19.7	27.3	18.0	29.3	15.9	82	76	2	6	3	151	42	–	–
October	27.1	21.9	29.0	20.2	30.2	16.1	80	76	7	21	5	167	41	–	–
November	28.5	23.1	30.3	21.7	32.6	20.3	80	76	32	63	8	187	49	–	–
December	28.9	23.2	30.6	21.7	32.5	19.8	78	73	31	93	5	201	52	–	–
Year	27.6	21.9	33.1*	15.9*	35.6	14.5	80	75	405	151	53	2273	51	–	–
No. of Years	30	30-	30	30	30	30	18	12	30	30	30	24	24	–	–

Lubango (formerly Sã da Bandeira) 14° 54′ S 13° 31′ E 1763 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	24.7	13.0	28.1	9.8	30.1	5.3	68	59	145	73	17	–	46	–	–
February	24.4	13.0	27.9	9.9	30.7	5.4	65	54	161	84	14	–	47	–	–
March	24.3	13.4	27.1	10.0	29.5	3.1	72	63	187	74	19	–	47	–	–
April	24.9	12.6	27.0	9.2	29.1	3.2	62	53	86	82	10	–	60	–	–
May	24.5	9.8	26.4	6.6	29.8	0.6	45	34	7	54	1	–	80	–	–
June	23.6	7.3	25.6	4.3	28.1	−1.0	39	25	< 1	4	0	–	86	–	–
July	24.2	7.6	26.3	4.6	27.6	−1.0	35	22	< 1	2	< 1	–	84	–	–
August	26.2	10.6	28.7	6.7	30.1	0.0	29	19	1	17	1	–	82	–	–
September	28.3	13.3	30.2	8.7	31.4	4.6	27	21	5	14	1	–	72	–	–
October	28.0	13.3	31.0	9.4	34.4	4.1	40	37	65	73	10	–	57	–	–
November	26.2	13.1	29.6	10.0	32.6	5.1	55	49	119	57	16	–	55	–	–
December	25.3	13.1	28.7	9.9	31.1	3.9	59	52	135	86	16	–	51	–	–
Year	25.4	11.7	31.1*	3.8*	34.4	−1.0	50	41	911	86	105	–	64	–	–
No. of Years	30	30	30	30	30	30	18	12	30	30	18	–	22	–	–

* Average of highest/lowest each year

ANGOLA

Luena (formerly Luso) 11° 47′ S 19° 55′ E 1357 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				per cent		millimetres			hours		hours	
January	26.7	16.5	30.4	14.5	32.7	12.8	81	65	226	94	22	–	33	–	–
February	26.7	16.4	30.1	14.6	32.4	10.7	81	59	192	95	20	–	36	–	–
March	26.7	16.2	30.0	13.9	32.0	11.8	80	64	198	74	23	–	38	–	–
April	27.2	15.1	29.7	11.8	33.4	9.1	70	55	99	152	12	–	55	–	–
May	27.0	11.8	29.3	7.5	32.0	3.9	51	37	6	37	2	–	78	–	–
June	25.8	9.1	28.6	5.3	31.0	0.3	42	27	< 1	11	< 1	–	80	–	–
July	26.1	9.1	28.9	5.5	30.0	2.7	39	25	< 1	< 1	< 1	–	82	–	–
August	28.6	11.6	31.6	7.7	34.0	4.6	34	21	2	15	< 1	–	77	–	–
September	30.7	14.5	33.2	10.3	35.0	8.5	43	25	20	50	3	–	62	–	–
October	29.5	16.0	32.0	13.6	34.3	11.0	63	42	90	125	13	–	49	–	–
November	27.0	16.2	31.1	14.2	34.0	11.0	75	62	169	98	20	–	37	–	–
December	26.6	16.3	30.2	14.3	32.4	11.5	79	65	217	102	23	–	33	–	–
Year	27.4	14.1	33.4*	4.6*	35.0	0.3	61	46	1219	152	138	–	55	–	–
No. of Years	30	30	30	30	30	30	18	12	30	30	18	–	22	–	–

Mariano Machado (Ganda) 12° 57′ S 14° 38′ E 1370 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
			degrees Celsius				per cent		millimetres			hours		hours	
January	25.5	15.3	28.7	13.0	29.9	8.7	76	–	163	66	13	–	–	–	–
February	26.0	15.2	29.0	12.6	31.8	8.0	77	–	171	96	10	–	–	–	–
March	26.1	15.7	28.9	13.1	30.8	9.2	79	–	307	114	20	–	–	–	–
April	27.1	15.7	29.2	13.8	32.0	9.7	73	–	172	100	14	–	–	–	–
May	27.4	14.4	29.0	11.6	31.0	7.9	56	–	11	31	2	–	–	–	–
June	26.6	12.1	28.3	9.6	31.0	6.5	45	–	< 1	5	< 1	–	–	–	–
July	27.0	12.3	28.8	9.5	31.4	7.6	39	–	0	0	0	–	–	–	–
August	28.6	13.3	30.8	10.1	32.5	7.8	43	–	1	9	< 1	–	–	–	–
September	29.6	14.0	32.0	10.9	33.5	8.5	57	–	24	58	3	–	–	–	–
October	28.4	15.2	31.4	12.7	35.0	8.4	65	–	156	57	15	–	–	–	–
November	26.6	15.5	29.3	12.8	31.5	6.5	72	–	249	84	18	–	–	–	–
December	25.8	15.8	29.0	13.1	32.0	10.1	75	–	221	115	16	–	–	–	–
Year	27.1	14.5	32.2*	8.8*	35.0	6.5	63	–	1475	115	111	–	–	–	–
No. of Years	20	21	20	21	20	21	18	–	30	30	18	–	–	–	–

Mavinga 15° 50′ S 20° 21′ E 1188 m

Period 1953–70 Bibliography 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				per cent		millimetres			hours		hours	
January	28.8	17.5	32.9	14.4	34.5	10.2	71	57	180	70	18	–	–	–	–
February	28.4	17.4	32.0	14.5	33.8	12.7	73	60	179	87	17	–	–	–	–
March	28.9	16.2	32.0	12.0	35.1	9.5	70	58	143	67	14	–	–	–	–
April	29.1	12.5	32.0	7.3	33.5	0.6	57	43	39	48	5	–	–	–	–
May	27.8	7.6	30.4	2.2	31.7	−1.1	44	33	5	24	1	–	–	–	–
June	25.8	4.1	28.6	−0.7	30.5	−5.9	41	28	< 1	< 1	< 1	–	–	–	–
July	25.9	3.1	28.9	−0.0	30.8	−4.5	37	23	< 1	1	< 1	–	–	–	–
August	28.7	5.7	32.7	0.4	34.4	−3.0	30	19	< 1	8	< 1	–	–	–	–
September	32.3	10.7	35.0	4.7	36.0	1.2	27	18	2	17	1	–	–	–	–
October	33.3	15.1	37.0	9.9	38.0	7.1	37	27	25	31	5	–	–	–	–
November	30.2	16.7	35.1	13.6	37.0	9.3	60	48	94	63	13	–	–	–	–
December	29.2	16.8	32.9	13.8	35.4	5.0	67	55	156	70	17	–	–	–	–
Year	29.0	11.9	36.8*	−2.3*	38.0	−5.9	51	39	823	87	91	–	–	–	–
No. of Years	16	16	16	16	16	16	16	11	16	16	16	–	–	–	–

*Average of highest/lowest each year

ANGOLA

M'Banza Congo (formerly São Salvador) 06° 16′ S 14° 15′ E 550 m

Period 1947–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.2	20.3	31.5	18.2	35.0	14.5	84	–	107	79	5	–	–	–	–
February	28.8	20.3	31.9	18.3	35.0	17.1	83	–	125	79	7	–	–	–	–
March	29.6	20.5	32.6	18.6	35.5	17.5	82	–	158	96	9	–	–	–	–
April	29.1	20.5	32.0	18.7	35.5	18.0	84	–	231	135	14	–	–	–	–
May	28.2	19.9	31.2	17.7	34.0	11.4	88	–	91	81	7	–	–	–	–
June	26.1	17.3	29.9	14.2	32.5	12.0	87	–	5	99	< 1	–	–	–	–
July	24.6	15.7	28.6	13.1	31.0	10.0	85	–	0	0	0	–	–	–	–
August	25.3	16.2	29.7	14.0	32.5	11.9	83	–	1	9	< 1	–	–	–	–
September	27.1	17.7	31.0	15.5	33.0	14.0	83	–	16	99	1	–	–	–	–
October	28.2	19.4	31.7	17.5	35.0	15.4	86	–	90	80	6	–	–	–	–
November	27.7	20.0	31.9	18.0	36.0	16.0	86	–	203	114	11	–	–	–	–
December	28.0	19.9	31.1	17.9	33.2	16.5	85	–	157	87	8	–	–	–	–
Year	27.6	19.0	33.1*	12.4*	36.0	10.0	85	–	1184	135	68	–	–	–	–
No. of Years	23	23	23	23	23	23	23	–	23	23	23	–	–	–	–

Menongue (formerly Serpa Pinto) 14° 40′ S 17° 42′ E 1348 m

Period 1941–52 1965–70 Bibliography 8, 9	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.5	15.6	30.9	12.2	32.0	4.0	77	–	173	53	22	–	–	–	–
February	28.7	16.5	30.9	13.2	35.0	10.3	77	–	191	83	20	–	–	–	–
March	28.1	16.5	29.8	12.9	32.5	9.8	78	–	175	72	18	–	–	–	–
April	28.9	11.7	30.7	8.5	32.0	4.6	72	–	46	41	9	–	–	–	–
May	27.8	8.1	29.5	3.1	32.2	−1.2	63	–	11	44	1	–	–	–	–
June	26.2	3.9	28.7	0.6	29.8	−3.2	59	–	< 1	2	< 1	–	–	–	–
July	26.7	3.1	29.4	0.6	31.2	−2.0	54	–	0	0	0	–	–	–	–
August	29.3	6.1	32.1	2.2	34.8	0.0	43	–	0	0	0	–	–	–	–
September	32.1	10.1	34.2	5.6	36.5	3.0	35	–	4	32	1	–	–	–	–
October	32.5	15.3	35.5	10.1	37.0	6.1	47	–	73	40	9	–	–	–	–
November	30.7	15.1	35.2	12.1	39.0	9.0	67	–	139	93	19	–	–	–	–
December	28.8	16.0	32.0	12.1	33.8	1.0	71	–	181	140	19	–	–	–	–
Year	29.0	11.5	36.2*	−0.2*	39.0	−3.2	62	–	993	140	118	–	–	–	–
No. of Years	12	12-	12	11	12	11	6	–	13	14	6	–	–	–	–

Moçâmedes (formerly Mossâmedes) 15° 12′ S 12° 09′ E 44 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.6	18.9	29.9	15.8	32.5	13.7	74	66	8	30	3	–	55	–	–
February	27.8	19.7	31.1	16.7	34.4	13.6	74	66	11	74	3	–	59	–	–
March	28.8	20.7	32.2	17.5	35.8	12.0	74	66	16	19	5	–	62	–	–
April	27.8	19.0	32.8	14.6	39.0	11.1	77	67	7	28	2	–	66	–	–
May	25.1	14.8	31.9	11.0	37.6	6.2	80	67	< 1	1	1	–	65	–	–
June	21.6	13.0	27.9	9.2	38.4	3.0	83	73	< 1	1	1	–	45	–	–
July	19.8	13.0	23.7	8.8	33.0	4.9	86	75	< 1	8	1	–	33	–	–
August	20.7	13.9	24.5	9.9	29.4	7.4	86	73	< 1	1	1	–	33	–	–
September	22.2	14.9	25.6	11.6	27.9	8.6	82	73	< 1	4	1	–	37	–	–
October	23.7	16.1	27.3	12.6	31.0	8.2	78	71	1	9	2	–	41	–	–
November	25.9	17.6	29.3	13.9	32.3	10.7	72	67	2	10	2	–	57	–	–
December	25.9	17.9	29.2	14.6	33.2	11.7	73	66	3	15	3	–	56	–	–
Year	24.7	16.6	34.5*	8.0*	39.0	3.0	78	69	48	74	25	–	51	–	–
No. of Years	30	30	30	30	30	30	18	12	29	30	18	–	24	–	–

*Average of highest/lowest each year

ANGOLA

Mupa 16° 08′ S 15° 45′ E 1170 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	—							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.7	16.1	35.4	11.8	41.0	5.0	65	–	123	88	10	–	–	–	–
February	30.1	15.8	34.4	12.2	40.0	5.5	67	–	167	155	9	–	–	–	–
March	30.0	15.7	33.1	12.6	42.2	6.5	71	–	145	100	10	–	–	–	–
April	30.5	14.2	33.5	9.3	39.5	3.0	62	–	54	77	3	–	–	–	–
May	29.6	10.9	32.2	5.7	39.0	0.5	53	–	2	21	< 1	–	–	–	–
June	27.8	7.1	30.6	2.9	38.0	0.1	44	–	< 1	3	< 1	–	–	–	–
July	28.1	7.3	31.4	2.9	39.5	−1.8	43	–	< 1	1	< 1	–	–	–	–
August	30.9	8.5	33.9	4.0	36.5	0.1	43	–	0	0	0	–	–	–	–
September	34.0	12.7	36.9	7.0	41.5	2.5	34	–	2	40	< 1	–	–	–	–
October	33.2	16.1	37.9	10.7	42.0	4.5	41	–	13	23	2	–	–	–	–
November	33.3	16.5	37.4	11.6	41.0	5.5	54	–	64	57	6	–	–	–	–
December	32.1	16.8	36.2	12.6	41.5	6.0	56	–	106	67	8	–	–	–	–
Year	30.9	13.1	39.1*	1.5*	42.2	−1.8	53	–	676	155	48	–	–	–	–
No. of Years	30	26	30	26	30	26	16	–	30	30	18	–	–	–	–

N'Dalatando (formerly Salazar and Quilombo) 09° 20′ S 14° 54′ E 800 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	—							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.7	18.7	30.9	16.5	34.4	14.0	84	–	106	124	13	–	–	–	–
February	28.4	18.9	31.3	16.3	34.6	12.0	85	–	114	93	12	–	–	–	–
March	28.2	19.1	31.1	16.6	34.7	13.0	87	–	233	103	18	–	–	–	–
April	28.1	19.4	30.7	17.1	32.3	13.5	89	–	259	105	21	–	–	–	–
May	28.2	18.3	30.7	13.5	32.2	10.0	84	–	41	69	9	–	–	–	–
June	27.0	14.9	30.5	11.0	32.0	8.5	83	–	2	3	6	–	–	–	–
July	25.1	13.9	29.7	9.9	31.5	6.9	87	–	4	3	10	–	–	–	–
August	24.5	14.5	28.8	11.3	31.5	8.5	90	–	8	5	12	–	–	–	–
September	25.8	16.0	30.1	13.6	32.0	10.0	89	–	18	25	14	–	–	–	–
October	27.0	17.8	31.5	16.2	35.2	14.0	90	–	88	77	22	–	–	–	–
November	27.2	18.6	30.4	16.6	33.5	13.0	88	–	213	104	22	–	–	–	–
December	27.4	18.6	30.7	16.4	34.9	11.0	85	–	153	144	15	–	–	–	–
Year	27.1	17.4	32.7*	9.5*	35.2	6.9	87	–	1239	144	174	–	–	–	–
No. of Years	30	30	30	30	30	30	18	–	30	30	18	–	–	–	–

N'Giva (formerly Pereira d'Eça) 17° 04′ S 15° 44′ E 1110 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	—							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.9	18.5	35.9	15.0	39.5	11.5	63	–	121	90	12	–	–	–	–
February	30.5	18.3	34.5	15.4	37.2	10.7	68	–	150	93	11	–	–	–	–
March	30.6	17.9	33.8	15.1	37.5	9.2	69	–	118	206	11	–	–	–	–
April	31.0	16.1	33.5	11.4	38.0	7.4	59	–	43	54	5	–	–	–	–
May	29.4	11.1	32.2	6.2	34.2	2.2	49	–	3	20	1	–	–	–	–
June	27.3	7.3	29.5	3.3	32.1	−2.3	46	–	< 1	6	< 1	–	–	–	–
July	27.4	6.5	30.5	2.6	36.5	−0.8	40	–	< 1	< 1	< 1	–	–	–	–
August	30.4	9.3	33.6	5.2	35.7	1.0	34	–	1	15	< 1	–	–	–	–
September	33.9	14.2	36.7	9.0	39.9	4.0	28	–	1	5	< 1	–	–	–	–
October	35.0	17.7	37.9	12.6	39.2	8.0	41	–	13	37	2	–	–	–	–
November	33.8	18.7	37.6	14.8	40.5	11.8	52	–	65	82	8	–	–	–	–
December	32.8	18.4	36.5	14.2	39.5	8.0	57	–	110	139	8	–	–	–	–
Year	31.2	14.5	38.7*	1.7*	40.5	−2.3	51	–	625	206	58	–	–	–	–
No. of Years	27	27	27	27	27	27	14	–	30	30	18	–	–	–	–

*Average of highest/lowest each year

ANGOLA

Noqui 05° 52′ S 13° 26′ E 200 m

Period 1943–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.4	23.0	36.1	20.8	38.9	16.0	78	–	117	123	5	–	–	–	–
February	33.8	23.4	36.4	20.8	38.5	15.0	78	–	115	111	5	–	–	–	–
March	34.4	23.3	37.0	21.0	39.4	16.0	79	–	151	120	8	–	–	–	–
April	34.3	23.2	36.9	20.8	39.5	14.0	80	–	213	182	9	–	–	–	–
May	32.6	22.7	35.9	20.4	39.0	19.0	80	–	82	108	3	–	–	–	–
June	30.7	20.5	33.6	16.9	36.5	11.0	76	–	< 1	40	0	–	–	–	–
July	28.3	18.5	31.2	15.3	33.5	11.0	74	–	0	0	0	–	–	–	–
August	28.9	18.9	32.0	16.2	35.2	13.0	74	–	< 1	5	< 1	–	–	–	–
September	30.4	20.8	34.0	18.4	36.1	15.0	75	–	3	13	1	–	–	–	–
October	32.4	22.8	35.8	20.4	38.8	14.0	76	–	36	85	3	–	–	–	–
November	33.1	23.2	35.9	20.4	38.5	11.5	80	–	166	127	7	–	–	–	–
December	33.1	22.9	36.1	21.2	37.5	18.1	78	–	114	115	5	–	–	–	–
Year	32.1	21.9	37.9*	14.5*	39.5	11.0	77	–	997	182	46	–	–	–	–
No. of Years	27	27	27	27	27	27	18	–	27	27	17	–	–	–	–

Nova Gaia 10° 04′ S 17° 33′ E 1200 m

Period 1941–70 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.0	15.8	28.7	13.9	32.5	9.0	80	–	141	138	12	–	–	–	–
February	26.4	15.7	29.1	14.0	33.5	7.6	79	–	142	118	10	–	–	–	–
March	25.9	15.8	29.0	14.1	32.3	5.0	81	–	208	123	14	–	–	–	–
April	26.4	15.8	28.9	14.1	31.3	5.0	80	–	147	99	12	–	–	–	–
May	27.0	14.3	29.1	11.7	33.2	6.0	69	–	20	95	2	–	–	–	–
June	27.1	11.6	29.1	8.6	32.2	5.0	62	–	< 1	< 1	0	–	–	–	–
July	27.6	11.8	29.5	9.5	31.5	6.0	59	–	0	0	0	–	–	–	–
August	27.6	12.8	30.6	9.9	33.2	8.0	66	–	5	27	1	–	–	–	–
September	28.6	14.5	31.3	11.7	33.8	5.0	71	–	51	80	6	–	–	–	–
October	27.6	15.2	30.7	13.0	34.0	6.0	73	–	98	56	11	–	–	–	–
November	26.1	15.4	28.7	13.7	31.0	7.0	78	–	178	122	13	–	–	–	–
December	26.4	15.5	29.1	13.7	32.8	9.0	78	–	145	313	14	–	–	–	–
Year	26.9	14.5	31.7*	8.1*	34.0	5.0	73	–	1135	313	95	–	–	–	–
No. of Years	28	28	28	28	28	28	16	–	26	26	16	–	–	–	–

Sunginge 08° 46′ S 16° 47′ E 630 m

Period 1941–65 Bibliography 8, 9, 10	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	17.5	34.5	14.5	37.0	6.2	81	–	134	94	12	–	–	–	–
February	31.7	17.9	35.1	15.6	40.0	11.0	81	–	149	80	12	–	–	–	–
March	31.7	17.9	35.2	15.4	39.0	11.0	81	–	179	95	14	–	–	–	–
April	31.7	17.7	34.7	14.9	38.0	12.0	81	–	164	99	13	–	–	–	–
May	33.1	13.4	35.5	8.1	40.0	3.0	67	–	17	43	2	–	–	–	–
June	33.4	8.3	35.1	4.8	38.0	2.0	53	–	1	25	< 1	–	–	–	–
July	33.4	8.3	35.6	4.6	41.0	2.0	55	–	1	23	< 1	–	–	–	–
August	33.9	12.1	36.3	7.1	39.0	3.0	63	–	9	39	1	–	–	–	–
September	33.6	16.4	36.5	12.3	40.0	8.0	70	–	63	73	6	–	–	–	–
October	32.0	17.6	35.7	15.1	40.0	12.0	77	–	151	65	11	–	–	–	–
November	30.6	17.7	33.7	15.3	37.0	8.0	81	–	200	97	14	–	–	–	–
December	30.6	17.7	34.2	15.1	38.0	11.0	81	–	171	93	13	–	–	–	–
Year	32.2	15.2	37.3*	4.0*	41.0	2.0	73	–	1239	99	98	–	–	–	–
No. of Years	25	25	25	25	25	25	25	–	25	25	25	–	–	–	–

*Average of highest/lowest each year

BENIN

Bohicon 07° 10′ N 02° 03′ E 167 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.9	22.5	36.2	19.0	37.2	14.9	90	52	9	34	1	214	–	–	1
February	35.3	23.4	31.3	19.9	38.8	18.0	91	50	25	49	3	208	–	–	0
March	34.8	23.7	37.4	20.8	39.2	18.5	92	56	94	99	8	212	–	–	1
April	33.3	23.4	35.9	20.7	37.8	19.5	93	62	141	93	11	193	–	–	1
May	33.2	22.9	34.7	20.3	36.5	19.5	95	66	154	71	14	223	–	–	< 1
June	30.3	22.1	33.0	20.0	34.3	19.0	95	71	164	123	15	161	–	–	1
July	28.8	21.6	31.4	19.9	33.0	17.7	94	74	127	88	13	91	–	–	1
August	28.7	21.2	31.6	19.6	35.2	17.6	93	72	83	93	11	79	–	–	2
September	30.1	21.6	32.7	20.0	35.0	19.3	94	70	147	110	14	104	–	–	2
October	31.1	21.9	33.2	20.1	34.2	18.9	95	68	141	95	14	188	–	–	1
November	33.0	22.7	34.7	20.3	35.9	18.4	95	59	36	56	4	227	–	–	0
December	33.6	22.6	35.2	18.9	36.3	15.4	92	53	13	56	1	223	–	–	0
Year	32.2	22.5	37.8*	17.4*	39.2	14.9	93	63	1134	123	109	2123	–	–	10
No. of Years	22	22	22	22	22	22	22	18	30	18	22	5	–	–	5

Cotonou 06° 21′ N 02° 23′ E 4 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	23.9	32.4	20.3	33.8	17.0	93	72	25	42	2	213	–	–	1
February	31.6	25.1	33.2	21.5	35.0	18.8	91	71	33	120	2	217	–	–	< 1
March	32.1	25.6	33.5	21.6	35.4	20.1	89	71	93	72	7	223	–	–	1
April	31.8	25.1	33.6	21.7	35.4	20.7	90	73	125	108	9	209	–	–	1
May	30.9	24.3	32.9	21.2	34.7	19.6	93	76	215	180	16	209	–	–	2
June	29.1	23.4	31.6	21.0	33.0	20.4	93	81	385	191	21	138	–	–	3
July	27.9	23.4	29.8	21.2	33.0	18.8	91	81	153	115	12	120	–	–	4
August	27.8	23.1	29.3	21.2	31.8	19.8	91	79	41	63	8	147	–	–	2
September	28.5	23.5	30.1	21.3	31.5	20.0	92	79	85	103	11	157	–	–	1
October	29.6	23.4	31.2	20.9	32.6	19.1	94	77	167	109	13	188	–	–	2
November	30.9	24.0	32.2	21.7	34.6	20.0	95	74	55	49	7	237	–	–	0
December	31.1	23.9	32.4	21.2	34.0	18.4	95	71	18	38	2	232	–	–	< 1
Year	30.2	24.1	33.9*	19.2*	35.4	17.0	92	75	1395	191	110	2290	–	–	17
No. of Years	22	22	22	22	22	22	22	18	30	18	22	18	–	–	13

Kandi 11° 08′ N 02° 56′ E 290 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.1	16.1	37.2	12.2	39.6	8.5	47	21	< 1	5	< 1	281	–	–	< 1
February	36.2	18.8	39.3	14.3	40.6	10.2	41	20	2	33	< 1	259	–	–	< 1
March	38.4	22.9	40.8	17.8	42.4	15.0	54	26	9	49	2	266	–	–	< 1
April	38.1	25.2	41.1	21.0	44.5	19.2	71	39	35	49	4	242	–	–	< 1
May	35.5	24.3	39.5	20.1	43.6	18.9	82	53	92	82	9	261	–	–	< 1
June	32.5	22.5	36.1	18.9	38.6	15.4	90	63	154	72	13	239	–	–	< 1
July	30.2	21.7	33.2	19.3	34.5	18.0	95	72	198	60	17	203	–	–	1
August	29.3	21.5	32.1	19.4	33.3	18.3	97	75	313	158	21	167	–	–	1
September	30.4	21.3	33.2	19.3	34.7	18.8	97	71	234	80	19	194	–	–	< 1
October	33.6	21.3	36.1	18.2	38.0	13.7	93	55	48	47	6	278	–	–	< 1
November	35.1	17.9	37.1	14.2	39.0	11.6	77	29	3	17	< 1	283	–	–	< 1
December	34.0	15.6	36.4	12.1	37.9	9.6	58	22	< 1	5	< 1	283	–	–	< 1
Year	33.9	20.8	41.3*	10.9*	44.5	8.5	75	45	1088	158	91	2956	–	–	2
No. of Years	22	22	22	22	22	22	22	18	30	18	22	18	–	–	13

*Average of highest/lowest each year

BENIN

Natitingou 10° 19′ N 01° 23′ E 460 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	34.2	19.3	36.8	16.3	38.3	13.8	37	21	3	35	< 1	281	–	–	< 1
February	35.7	20.7	38.6	17.8	39.9	15.5	41	25	8	48	1	252	–	–	< 1
March	36.7	22.4	39.2	18.8	40.0	17.8	64	36	25	32	4	250	–	–	< 1
April	34.9	22.8	38.2	20.0	40.2	18.7	82	50	89	76	8	228	–	–	< 1
May	33.1	22.1	36.5	19.5	39.1	17.8	91	61	121	150	12	242	–	–	< 1
June	30.8	21.1	33.7	18.9	35.6	18.1	95	68	165	93	15	194	–	–	< 1
July	28.6	20.6	31.5	18.8	33.0	18.0	96	75	224	108	18	152	–	–	1
August	27.9	20.5	30.8	18.8	32.8	18.2	97	77	273	86	22	111	–	–	1
September	29.4	20.3	32.1	18.6	34.1	18.1	97	72	311	134	22	139	–	–	1
October	31.8	20.1	34.2	18.2	35.7	16.3	95	61	127	74	13	226	–	–	< 1
November	33.6	18.6	35.5	16.2	37.0	15.3	77	38	25	39	3	265	–	–	< 1
December	34.0	18.5	36.0	15.9	37.1	13.6	48	23	4	32	1	264	–	–	< 1
Year	32.6	20.6	39.3*	15.3*	40.2	13.6	77	51	1375	150	119	2604	–	–	3
No. of Years	22	22	22	22	22	22	22	18	30	18	22	10	–	–	5

Savé 08° 02′ N 02° 29′ E 198 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	34.6	21.4	36.8	17.8	38.0	14.0	85	44	6	35	1	228	–	–	< 1
February	36.1	22.4	38.2	19.3	39.8	16.7	87	42	18	45	2	229	–	–	0
March	35.0	22.8	38.1	20.2	39.5	18.6	93	53	85	95	7	238	–	–	< 1
April	33.6	22.7	36.7	20.5	38.2	19.4	95	60	112	99	10	222	–	–	< 1
May	32.5	22.3	35.2	20.2	37.3	19.0	96	63	138	110	12	215	–	–	< 1
June	30.6	21.7	33.5	19.6	35.5	18.1	96	69	162	151	16	182	–	–	< 1
July	28.9	21.3	31.6	19.3	32.8	16.9	96	74	162	127	16	107	–	–	1
August	28.3	20.9	31.5	19.2	33.2	17.3	96	75	131	143	15	88	–	–	2
September	29.5	21.2	32.3	19.4	34.2	18.1	97	73	167	98	16	121	–	–	< 1
October	31.2	21.3	33.4	19.6	34.6	18.8	97	67	123	63	14	192	–	–	1
November	33.5	21.9	35.3	19.3	37.0	15.7	95	54	29	61	3	229	–	–	0
December	34.2	21.1	35.7	17.4	36.7	14.9	89	45	6	63	1	235	–	–	0
Year	32.3	21.7	38.6*	16.6*	39.8	14.0	93	60	1139	151	113	2286	–	–	4
No. of Years	22	22-	22	22	22	22	22	18	30	18	22	10	–	–	5

*Average of highest/lowest each year

BOTSWANA

Francistown 21° 13′ S 27° 30′ E 1001 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 16, 17, 18	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						per cent		millimetres			hours		hours	
January	31.0	18.9	36.5	14.7	40.6	11.1	69	41	85	89	9	–	–	–	–
February	30.6	19.2	35.3	14.2	39.4	10.5	72	44	80	88	7	–	–	–	–
March	29.7	16.6	34.7	11.9	38.8	4.0	71	40	50	69	6	–	–	–	–
April	28.7	14.2	33.5	8.6	35.6	4.0	70	39	23	45	3	–	–	–	–
May	26.1	9.2	30.9	4.0	34.0	1.5	68	29	7	23	1	–	–	–	–
June	23.4	5.7	28.2	−0.1	31.1	−3.9	65	31	3	33	1	–	–	–	–
July	23.5	5.6	28.5	0.8	31.7	−2.2	65	29	1	11	< 1	–	–	–	–
August	26.0	8.1	32.2	2.0	35.5	−1.1	58	25	1	11	< 1	–	–	–	–
September	29.9	12.5	35.8	6.0	37.2	1.1	51	25	3	29	1	–	–	–	–
October	31.9	16.4	38.2	10.3	40.6	7.2	52	29	23	38	3	–	–	–	–
November	32.0	18.3	38.0	13.0	41.7	4.1	59	37	51	62	7	–	–	–	–
December	30.7	18.6	36.5	13.9	39.4	7.4	65	44	88	104	9	–	–	–	–
Year	28.6	13.5	39.3*	−0.8*	41.7	−3.9	64	34	415	104	47	–	–	–	–
No. of Years	23	23	23	23	23	23	22	13	23	23	22	–	–	–	–

Gaberone 24° 41′ S 25° 55′ E 983 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 16, 17	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						per cent		millimetres			hours		hours	
January	32.7	18.5	38.0	14.1	41.7	8.3	65	38	79	53	10	–	–	–	–
February	31.7	18.4	36.1	14.3	39.7	10.2	69	40	81	192	8	–	–	–	–
March	30.2	16.1	35.4	11.4	40.6	6.8	71	39	67	170	7	–	–	–	–
April	28.2	12.5	32.8	6.5	35.6	2.2	73	39	50	71	5	–	–	–	–
May	25.0	6.8	29.8	1.7	35.6	−2.2	71	32	15	47	2	–	–	–	–
June	22.3	2.9	26.7	−1.6	29.4	−5.7	69	29	6	36	1	–	–	–	–
July	22.7	2.5	27.1	−1.9	29.0	−6.5	66	27	5	49	1	–	–	–	–
August	25.5	5.2	31.0	−0.3	33.4	−5.5	57	24	3	18	1	–	–	–	–
September	29.3	10.2	35.1	4.1	37.2	−0.6	50	21	9	40	2	–	–	–	–
October	31.5	14.5	37.8	8.2	40.7	2.8	51	26	46	72	6	–	–	–	–
November	31.7	16.8	35.5	11.3	40.0	5.0	58	33	56	63	8	–	–	–	–
December	32.2	17.6	37.7	12.6	43.9	5.6	61	39	80	72	9	–	–	–	–
Year	28.6	11.8	39.7*	−3.3*	43.9	−6.5	63	32	497	192	60	–	–	–	–
No. of Years	30	30	30	30	30	30	24	13	30	30	26	–	–	–	–

Ghanzi 21° 42′ S 21° 39′ E 1131 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 16, 17, 18	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						per cent		millimetres			hours		hours	
January	32.8	18.6	37.4	14.3	41.7	6.5	67	41	97	231	10	–	–	–	–
February	31.7	17.9	35.9	13.5	38.6	6.7	73	44	82	124	10	–	–	–	–
March	30.8	16.3	35.0	11.9	38.9	8.3	73	43	52	61	7	–	–	–	–
April	29.3	13.3	33.5	7.0	36.5	0.0	71	38	46	118	5	–	–	–	–
May	26.4	7.7	30.7	1.2	33.5	−4.4	64	32	10	53	2	–	–	–	–
June	23.6	4.3	27.7	−2.0	30.6	−6.7	65	31	2	20	1	–	–	–	–
July	23.9	4.0	28.0	−2.0	30.0	−7.3	59	29	1	7	< 1	–	–	–	–
August	27.0	6.7	31.7	−0.2	34.5	−5.4	51	24	1	9	< 1	–	–	–	–
September	30.9	11.1	35.4	3.3	38.3	−1.1	44	22	3	29	1	–	–	–	–
October	33.4	15.5	37.9	7.6	40.6	1.1	43	25	25	101	4	–	–	–	–
November	33.2	17.3	38.0	11.4	41.7	5.6	55	34	50	40	8	–	–	–	–
December	32.9	18.1	37.3	13.5	40.0	8.9	63	39	70	81	9	–	–	–	–
Year	29.7	12.6	39.3*	−3.3*	41.7	−7.3	61	33	439	231	57	–	–	–	–
No. of Years	30	30	30	30	30	30	30	26	30	30	30	–	–	–	–

*Average of highest/lowest each year

BOTSWANA

Kasane 17° 49′ S 25° 09′ E 1066 m

Period 1941–47 1953–66 Bibliography 16, 17, 18	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.0	18.8	34.6	16.1	37.2	11.2	76	–	214	85	13	–	–	–	–
February	29.8	18.7	34.7	15.7	38.1	10.0	77	–	166	83	11	–	–	–	–
March	30.0	17.7	33.3	13.7	36.7	10.0	73	–	72	93	5	–	–	–	–
April	30.2	15.7	34.8	11.3	37.2	8.0	67	–	24	51	2	–	–	–	–
May	28.5	11.7	32.0	6.3	36.7	3.1	58	–	1	8	< 1	–	–	–	–
June	26.4	8.8	30.0	4.0	33.4	−0.6	58	–	4	47	< 1	–	–	–	–
July	26.3	8.8	30.3	3.9	32.8	−0.1	59	–	0	0	0	–	–	–	–
August	29.1	10.8	33.8	5.5	35.6	2.1	48	–	0	1	0	–	–	–	–
September	33.3	15.2	37.3	9.5	39.5	6.1	47	–	1	5	< 1	–	–	–	–
October	35.3	18.1	39.4	13.5	42.2	10.0	45	–	15	38	2	–	–	–	–
November	33.1	19.0	38.9	16.1	43.4	14.1	57	–	59	37	6	–	–	–	–
December	31.1	18.7	36.2	16.2	38.5	13.1	71	–	167	93	10	–	–	–	–
Year	30.3	15.2	33.4*	2.8*	43.4	−0.6	61	–	723	93	49	–	–	–	–
No. of Years	17	16	17	17	17	17	11	–	17	17	9	–	–	–	–

Mahalapye 23° 05′ S 26° 48′ E 1006 m

Period 1941–69 Bibliography 16, 17, 18	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	18.6	37.0	14.7	41.7	8.3	66	43	71	93	9	–	–	–	–
February	30.9	18.5	35.4	14.7	38.9	10.0	70	46	88	128	7	–	–	–	–
March	29.1	16.6	34.3	12.0	37.5	8.3	72	46	71	130	7	–	–	–	–
April	28.2	13.0	33.0	7.1	35.6	3.9	70	43	30	126	3	–	–	–	–
May	25.3	7.6	30.5	2.3	34.0	−5.6	68	41	13	35	2	–	–	–	–
June	22.5	4.0	27.5	−0.4	30.6	−4.4	67	38	5	37	1	–	–	–	–
July	22.7	3.8	27.4	−0.8	30.0	−5.6	63	35	3	38	1	–	–	–	–
August	25.6	6.6	31.8	0.8	34.1	−3.9	58	31	1	18	< 1	–	–	–	–
September	29.2	11.4	35.4	4.7	37.2	1.1	52	28	5	28	1	–	–	–	–
October	31.5	16.0	38.1	9.6	40.6	3.3	54	32	32	58	5	–	–	–	–
November	31.1	17.6	37.5	12.0	41.1	6.1	60	43	73	68	7	–	–	–	–
December	31.1	18.1	36.5	13.6	40.6	8.9	63	41	86	117	7	–	–	–	–
Year	28.2	12.7	33.7*	−2.3*	41.7	−5.6	64	39	478	130	50	–	–	–	–
No. of Years	26	27	25	27	25	27	21	10	27	27	21	–	–	–	–

Maun 19° 59′ S 23° 25′ E 945 m

Period 1941–70 Bibliography 16, 17, 18, 19	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	19.4	36.2	15.7	40.0	9.2	75	49	117	90	13	264	–	–	–
February	31.3	18.9	35.0	15.2	37.8	10.6	78	49	107	139	12	231	–	–	–
March	31.0	17.5	34.5	18.2	39.5	10.7	76	44	69	105	8	256	–	–	–
April	30.5	14.6	34.2	9.1	37.2	4.4	70	36	29	61	5	285	–	–	–
May	27.9	9.5	31.7	3.7	35.6	−1.7	64	28	6	24	1	316	–	–	–
June	25.2	6.2	28.7	−0.0	30.7	−6.4	65	27	1	15	< 1	300	–	–	–
July	25.4	6.2	29.2	0.2	32.2	−5.3	60	25	< 1	3	< 1	303	–	–	–
August	28.5	9.2	33.0	2.6	35.0	−3.2	50	21	< 1	3	< 1	334	–	–	–
September	32.3	14.0	36.6	7.5	38.6	1.6	41	19	3	26	< 1	316	–	–	–
October	34.6	18.5	39.0	12.6	41.4	6.1	42	23	15	33	3	307	–	–	–
November	33.6	19.3	38.6	15.2	41.7	9.4	56	33	47	49	9	252	–	–	–
December	32.2	19.3	36.7	15.5	39.9	11.4	68	44	82	71	10	235	–	–	–
Year	30.3	14.4	39.5*	−1.4*	41.7	−6.4	62	33	476	105	61	3399	–	–	–
No. of Years	30	30	30	30	30	30	30	29	30	30	30	8	–	–	–

*Average of highest/lowest each year

BOTSWANA

Tshabong 26° 03′ S 22° 27′ E 960 m

Period 1941–70 Bibliography 16, 17, 18	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.1	18.7	39.3	13.0	42.1	6.7	54	28	32	48	5	–	–	–	–
February	33.6	18.2	37.6	12.5	41.3	7.5	61	33	46	109	6	–	–	–	–
March	31.5	16.1	35.7	10.1	39.3	4.6	68	35	42	55	6	–	–	–	–
April	28.2	11.2	33.3	3.2	35.6	−1.1	71	35	31	46	5	–	–	–	–
May	24.6	5.7	29.9	−1.0	31.6	−6.7	74	33	15	39	2	–	–	–	–
June	21.3	1.8	26.4	−5.0	30.0	−8.9	76	31	9	38	1	–	–	–	–
July	21.8	1.0	26.8	−5.1	30.0	−10.6	69	27	1	9	< 1	–	–	–	–
August	24.7	3.1	30.6	−4.4	33.0	−9.5	58	22	< 1	2	< 1	–	–	–	–
September	28.6	7.6	34.9	−1.2	38.5	−6.7	45	21	7	60	1	–	–	–	–
October	31.3	12.2	37.3	3.1	39.6	−2.8	43	21	10	24	2	–	–	–	–
November	33.1	15.9	38.6	8.7	41.1	3.9	48	24	24	35	4	–	–	–	–
December	34.2	17.6	38.9	11.0	41.9	5.6	49	24	33	61	5	–	–	–	–
Year	29.0	10.8	41.9*	−6.8*	42.1	−10.6	60	28	250	109	37	–	–	–	–
No. of Years	27	27	27	27	27	27	24	24	27	26	25	–	–	–	–

Tshane 24° 01′ S 21° 53′ E 1118 m

Period 1958–70 Bibliography 16, 17, 18	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.3	19.5	38.3	14.2	40.3	9.0	59	34	59	61	7	313	75	–	< 1
February	32.7	18.8	36.6	14.5	40.3	11.0	64	36	69	150	8	281	77	–	< 1
March	31.2	16.9	35.3	11.9	38.9	6.5	66	36	48	105	6	300	75	–	< 1
April	28.0	12.8	33.0	5.3	34.8	0.0	67	35	31	29	6	283	82	–	< 1
May	24.7	6.9	29.7	0.7	34.5	−3.6	66	31	7	21	2	305	90	–	< 1
June	21.7	3.6	26.3	−2.2	28.6	−4.8	69	31	4	22	1	286	89	–	0
July	22.2	3.3	26.9	−2.2	28.4	−6.6	64	28	2	13	< 1	300	89	–	0
August	25.0	5.8	30.9	−0.0	32.6	−4.5	55	25	< 1	1	< 1	318	91	–	0
September	29.5	10.3	34.6	2.1	37.1	−3.9	45	22	2	14	1	319	89	–	0
October	31.8	14.2	37.2	6.0	38.5	2.2	45	23	13	29	3	327	83	–	0
November	33.0	17.1	38.3	11.7	40.3	8.2	52	29	35	43	6	288	72	–	0
December	33.9	18.4	38.4	13.7	40.3	6.8	56	31	26	25	6	326	76	–	< 1
Year	29.0	12.3	39.7*	−3.7*	40.3	−6.6	59	30	296	150	46	3646	82	–	< 1
No. of Years	13	13	13	13	13	13	13	13	13	13	13	7	7	–	7

---

*Average of highest/lowest each year

BURUNDI

Bujumbura (formerly Usumbura) 03° 23′ S 29° 21′ E 815 m

Period 1941–61 Bibliography 20, 21, 22	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	28.5	19.1	31.4	16.6	34.6	14.0	–	–	88	65	14	159	–	–	–
February	28.5	19.1	31.3	16.9	32.5	15.4	–	–	98	128	14	145	–	–	–
March	28.4	19.1	31.1	16.8	32.8	14.7	–	–	111	60	17	171	–	–	–
April	28.2	19.3	30.6	17.4	31.8	15.1	–	–	131	54	18	155	–	–	–
May	28.6	19.1	27.4	17.1	31.9	16.2	–	–	55	49	11	203	–	–	–
June	28.7	18.0	30.3	15.5	31.4	13.9	–	–	7	38	2	246	–	–	–
July	28.8	17.3	30.3	14.8	31.4	11.8	–	–	3	15	1	267	–	–	–
August	30.0	18.3	32.0	15.7	33.0	13.8	–	–	13	39	2	247	–	–	–
September	30.8	19.1	33.2	16.5	33.8	14.3	–	–	32	23	7	202	–	–	–
October	30.1	19.5	33.0	17.4	33.7	14.7	–	–	67	34	12	174	–	–	–
November	28.3	19.0	31.5	17.0	33.8	15.9	–	–	90	64	18	141	–	–	–
December	28.1	19.1	30.8	17.1	34.8	16.6	–	–	112	61	19	148	–	–	–
Year	28.9	18.8	33.9*	14.3*	34.8	11.8	–	–	807	128	135	2258	–	–	–
No. of Years	12	12	12	11	12	11	–	–	21	21	21	10	–	–	–

---

*Average of highest/lowest each year

CAMEROON

Banyo 06° 47′ N 11° 49′ E 1097 m

Period 1946–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 23, 24, 25, 26	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.0	14.1	33.0	11.3	35.2	9.0	66	25	1	15	< 1	–	–	–	–
February	32.0	15.8	34.0	12.5	35.3	8.0	67	29	12	40	1	–	–	–	–
March	31.5	18.0	34.4	15.2	35.5	12.5	76	36	83	49	8	–	–	–	–
April	29.6	18.5	32.9	16.1	34.9	12.0	90	53	167	72	16	–	–	–	–
May	28.1	18.0	30.2	16.2	32.7	14.5	93	60	218	90	19	–	–	–	–
June	26.8	17.4	29.1	15.4	29.9	14.4	94	65	194	87	20	–	–	–	–
July	25.9	17.3	28.1	15.6	29.0	14.0	95	67	299	136	23	–	–	–	–
August	25.8	17.3	28.0	15.8	29.7	14.9	95	68	263	78	22	–	–	–	–
September	26.4	17.0	28.6	15.2	29.8	13.5	96	65	293	83	24	–	–	–	–
October	27.5	17.0	29.8	14.9	30.5	12.0	95	61	210	73	20	–	–	–	–
November	29.4	15.5	30.9	12.7	31.8	10.5	86	39	32	45	4	–	–	–	–
December	30.6	13.8	32.2	11.4	33.5	9.0	73	26	3	55	< 1	–	–	–	–
Year	28.7	16.6	34.6*	10.9*	35.5	8.0	86	49	1776	136	157	–	–	–	–
No. of Years	19	19	19	19	19	19	16	16	19	19	19	–	–	–	–

Batouri 04° 25′ N 14° 24′ E 655 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 23, 24, 25, 26	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.7	17.2	32.8	13.5	34.2	11.2	97	58	31	60	2	159	–	–	1
February	31.2	18.1	34.2	14.7	36.2	12.0	95	55	45	59	5	169	–	–	1
March	31.1	19.3	34.3	16.9	36.8	12.2	95	60	113	64	9	167	–	–	2
April	30.8	19.6	34.0	17.5	36.2	15.0	97	66	155	119	12	180	–	–	1
May	29.9	19.4	33.4	17.3	34.6	16.0	97	67	163	80	13	199	–	–	1
June	28.5	18.8	31.5	16.8	33.5	13.5	98	73	182	104	14	143	–	–	2
July	27.0	18.6	30.1	16.5	31.4	13.8	98	77	120	94	10	105	–	–	3
August	27.1	18.7	30.3	16.6	31.6	13.9	98	76	142	169	12	92	–	–	3
September	27.6	18.7	30.9	17.0	32.3	15.0	98	73	197	101	17	113	–	–	2
October	28.8	18.6	31.4	16.6	32.2	12.8	98	72	257	102	21	136	–	–	2
November	29.7	18.1	32.2	15.9	33.8	14.2	97	65	113	94	10	181	–	–	1
December	29.5	17.1	32.4	14.5	34.0	11.7	97	59	44	62	3	181	–	–	1
Year	29.2	18.5	34.9*	13.1*	36.8	11.2	97	67	1562	169	128	1825	–	–	20
No. of Years	30	30-	30	30	30	30	20	20	24	21	24	22	–	–	19

Bertoua 04° 36′ N 13° 44′ E 670 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 23, 24, 25, 26	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.8	16.5	32.6	12.3	34.8	9.4	97	57	23	40	2	–	–	–	–
February	30.9	17.2	34.1	13.4	35.9	10.8	96	54	49	75	4	–	–	–	–
March	31.0	18.7	34.1	16.0	36.8	10.0	96	60	117	53	10	–	–	–	–
April	30.5	19.0	33.4	16.8	36.2	13.5	97	65	151	97	12	–	–	–	–
May	29.8	18.9	33.0	16.9	36.2	13.2	97	67	165	76	14	–	–	–	–
June	28.5	18.4	31.5	16.3	34.8	13.4	97	72	179	113	13	–	–	–	–
July	26.9	18.4	29.7	15.9	32.0	13.2	97	75	98	86	10	–	–	–	–
August	27.3	18.6	30.2	16.3	32.0	13.0	97	73	145	140	11	–	–	–	–
September	28.4	18.6	30.7	16.1	32.9	13.6	97	71	217	95	18	–	–	–	–
October	28.8	18.5	31.4	16.4	33.6	13.8	97	70	288	91	21	–	–	–	–
November	29.8	17.9	32.4	15.3	34.0	13.4	97	62	103	59	10	–	–	–	–
December	29.7	16.5	32.5	13.7	35.2	11.0	97	58	31	45	3	–	–	–	–
Year	29.3	18.1	34.5*	11.5*	36.8	9.4	97	65	1566	140	128	–	–	–	–
No. of Years	30	30	30	30	30	30	19	19	25	22	25	–	–	–	–

*Average of highest/lowest each year

CAMEROON

Douala 04° 05′ N 09° 42′ E 15 m

Period 1941–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				per cent		millimetres			hours		hours	
January	31.2	23.0	32.6	20.8	33.8	19.0	97	68	54	93	6	154	–	–	1
February	31.8	23.7	33.7	21.0	34.8	20.0	96	67	80	72	9	161	–	–	1
March	31.7	23.3	33.8	20.9	36.0	19.4	96	69	208	193	17	148	–	–	2
April	31.7	23.2	34.0	21.0	35.8	19.6	97	69	237	123	18	162	–	–	1
May	31.1	23.2	33.6	21.1	34.6	19.2	97	73	316	160	22	146	–	–	2
June	29.2	22.9	31.8	21.1	33.0	20.0	97	77	495	217	24	97	–	–	3
July	27.1	22.5	29.7	21.1	31.2	20.1	97	83	635	223	29	51	–	–	9
August	27.1	22.4	29.6	21.0	31.5	20.1	97	84	774	238	29	22	–	–	10
September	28.4	22.5	30.9	21.1	32.4	20.0	97	80	645	193	27	71	–	–	4
October	29.5	22.4	31.9	20.8	32.9	19.6	97	75	391	167	25	112	–	–	3
November	30.5	22.8	32.6	20.9	33.9	19.8	97	72	147	112	15	140	–	–	2
December	31.0	23.0	32.5	21.1	33.5	19.0	97	69	48	75	8	157	–	–	1
Year	30.0	22.9	34.5*	21.0*	36.0	19.0	97	74	4030	223	229	1421	–	–	39
No. of Years	30	30	30	30	30	30	18	18	30	30	30	19	–	–	19

Garoua 09° 20′ N 13° 23′ E 249 m

Period 1941–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				per cent		millimetres			hours		hours	
January	34.8	17.5	38.9	14.6	42.0	12.7	43	20	0	0	0	281	–	–	< 1
February	37.2	19.8	40.8	16.1	42.4	14.2	34	14	< 1	6	< 1	271	–	–	< 1
March	39.7	24.0	42.5	19.4	43.5	14.7	34	15	4	19	1	265	–	–	< 1
April	39.1	25.6	42.4	20.9	44.0	18.8	68	39	51	57	6	236	–	–	< 1
May	36.0	24.3	40.5	20.1	42.9	18.8	81	52	127	91	10	253	–	–	< 1
June	32.5	22.5	36.7	19.5	40.8	15.8	89	64	172	100	12	219	–	–	1
July	30.8	22.1	33.9	19.8	35.8	18.0	94	70	193	125	14	191	–	–	1
August	30.2	21.9	33.0	19.7	34.2	18.2	94	70	245	139	16	175	–	–	1
September	31.0	21.6	33.8	19.3	35.0	14.5	95	69	215	78	16	192	–	–	1
October	33.4	21.8	36.5	19.1	38.4	16.2	90	57	66	39	8	258	–	–	< 1
November	36.1	19.2	38.2	16.0	39.7	14.0	76	29	1	9	< 1	285	–	–	< 1
December	35.3	17.2	38.0	14.4	39.6	12.2	62	25	2	38	< 1	297	–	–	< 1
Year	34.7	21.5	42.8*	14.0*	44.0	12.2	72	44	1076	139	83	2923	–	–	4
No. of Years	30	30	30	30	30	30	20	20	18	18	18	18	–	–	18

Kribi 02° 56′ N 09° 54′ E 18 m

Period 1941–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				per cent		millimetres			hours		hours	
January	29.8	23.9	31.0	21.3	32.9	19.9	96	78	99	134	10	–	–	–	–
February	30.2	23.5	31.5	21.1	34.1	19.5	96	77	114	93	11	–	–	–	–
March	30.4	23.4	31.9	21.5	34.0	19.5	95	77	189	78	14	–	–	–	–
April	30.3	23.3	31.9	21.3	34.0	19.4	96	78	265	152	19	–	–	–	–
May	29.5	23.3	31.3	21.2	33.0	20.2	97	80	363	205	22	–	–	–	–
June	28.2	22.8	30.0	21.2	31.5	19.8	95	81	252	190	17	–	–	–	–
July	27.0	22.0	28.6	20.7	31.4	19.3	94	80	108	121	14	–	–	–	–
August	27.0	22.1	28.3	20.8	31.7	19.5	95	83	201	122	20	–	–	–	–
September	27.2	22.5	28.8	21.2	30.5	20.0	97	86	498	161	26	–	–	–	–
October	27.9	22.6	29.6	20.9	31.6	19.6	97	86	539	188	27	–	–	–	–
November	28.9	22.9	30.4	21.0	32.0	19.7	96	82	229	123	17	–	–	–	–
December	29.5	23.3	30.8	21.5	32.2	20.0	96	79	100	109	10	–	–	–	–
Year	28.8	23.0	32.1*	20.1*	34.1	19.3	96	81	2957	205	207	–	–	–	–
No. of Years	30	30	30	30	30	30	20	20	25	22	25	–	–	–	–

*Average of highest/lowest each year

CAMEROON

Lomié 03º 09′ N 13º 37′ E 640 m

Period 1946–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.0	18.1	30.8	15.0	32.4	12.8	97	72	41	101	3	–	–	–	–
February	29.2	18.4	32.3	15.2	34.6	12.4	97	68	63	58	6	–	–	–	–
March	29.5	19.3	32.5	16.8	34.2	12.0	97	69	139	97	12	–	–	–	–
April	29.6	19.2	32.6	17.1	34.0	14.0	97	70	180	103	14	–	–	–	–
May	29.1	19.2	32.0	17.3	34.0	15.2	97	72	188	82	16	–	–	–	–
June	27.8	19.1	30.6	16.9	31.8	14.8	97	75	151	84	13	–	–	–	–
July	26.5	18.7	29.0	16.3	30.6	13.4	97	77	97	82	9	–	–	–	–
August	26.7	19.0	29.6	16.9	31.5	15.0	97	77	142	104	13	–	–	–	–
September	27.5	19.0	30.2	17.2	31.6	16.0	97	75	258	131	18	–	–	–	–
October	28.0	18.9	30.7	17.1	31.6	16.0	97	74	287	147	22	–	–	–	–
November	28.4	18.7	31.0	16.8	32.9	15.5	97	72	141	61	13	–	–	–	–
December	28.1	18.1	30.8	15.7	32.0	13.0	97	72	39	29	5	–	–	–	–
Year	28.2	18.8	33.1*	14.1*	34.6	12.0	97	73	1726	147	144	–	–	–	–
No. of Years	25	25	25	25	25	25	20	20	25	22	25	–	–	–	–

Maroua 10º 28′ N 14º 16′ E 405 m

Period 1941–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.2	17.9	37.9	13.6	40.3	10.3	34	17	0	0	0	296	–	–	0
February	35.6	19.7	40.0	15.3	43.6	12.8	27	15	< 1	< 1	< 1	277	–	–	0
March	38.7	23.5	42.3	19.1	44.2	14.3	28	16	1	12	< 1	264	–	–	< 1
April	40.0	25.4	42.6	21.3	45.6	16.0	44	21	16	34	3	228	–	–	1
May	37.8	24.4	41.7	20.2	43.5	18.0	67	35	64	53	7	238	–	–	< 1
June	34.6	22.5	39.1	19.2	41.2	17.4	82	50	123	80	11	212	–	–	< 1
July	31.7	21.7	36.0	18.9	40.0	17.2	89	61	202	112	16	181	–	–	1
August	30.1	21.3	33.4	19.2	38.4	18.0	92	68	263	111	19	163	–	–	1
September	31.7	21.1	35.1	19.2	37.6	18.1	93	61	161	106	13	189	–	–	< 1
October	34.8	21.0	37.9	17.9	41.4	15.5	79	38	30	66	3	251	–	–	< 1
November	35.3	20.1	37.9	16.2	42.2	13.0	45	21	< 1	1	< 1	287	–	–	0
December	33.5	18.1	36.9	13.7	39.4	11.5	40	20	0	0	0	300	–	–	0
Year	34.7	21.4	42.9*	12.6*	45.6	10.3	60	35	860	112	72	2886	–	–	3
No. of Years	30	30-	30	30	30	30	20	20	25	22	25	16	–	–	16

Moloundou 02º 02′ N 15º 10′ E 438 m

Period 1946–68 Bibliography 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	20.3	33.6	17.7	34.6	13.8	96	66	38	59	3	–	–	–	–
February	31.4	20.3	34.5	18.4	35.5	17.0	96	64	85	58	6	–	–	–	–
March	31.8	20.5	35.5	18.6	36.3	17.5	95	62	126	70	10	–	–	–	–
April	31.8	20.7	35.2	19.3	36.0	18.5	95	63	159	51	10	–	–	–	–
May	31.1	20.7	34.5	19.4	35.5	19.0	95	64	144	66	11	–	–	–	–
June	29.7	20.4	32.8	18.8	33.7	17.8	96	69	118	61	10	–	–	–	–
July	28.4	20.0	31.7	18.2	32.9	16.5	95	71	86	34	5	–	–	–	–
August	28.8	20.0	32.5	17.9	33.5	14.8	95	69	90	51	8	–	–	–	–
September	29.7	20.1	33.1	18.6	34.8	18.0	95	67	176	75	13	–	–	–	–
October	30.1	20.2	33.0	18.9	33.9	18.3	95	67	212	56	17	–	–	–	–
November	30.2	20.2	33.2	18.7	34.6	18.1	95	67	139	61	11	–	–	–	–
December	30.5	19.9	33.2	17.7	35.2	15.2	95	65	52	76	5	–	–	–	–
Year	30.4	20.3	35.7*	17.0*	36.3	13.8	95	66	1425	76	109	–	–	–	–
No. of Years	11	11	11	11	11	11	9	9	19	8	12	–	–	–	–

*Average of highest/lowest each year

CAMEROON

N'Gaoundéré 07° 17′ N 13° 19′ E 1101 m

Period 1942–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	12.5	32.9	9.8	34.3	5.3	54	18	1	25	< 1	276	–	–	< 1
February	31.4	13.9	34.0	10.5	35.4	3.2	55	19	2	9	< 1	257	–	–	< 1
March	31.7	16.5	34.5	12.9	35.9	8.8	72	31	43	52	5	219	–	–	1
April	30.0	17.5	33.5	14.5	35.7	12.0	90	52	150	72	14	176	–	–	1
May	28.4	17.2	31.4	15.2	34.5	14.0	95	62	212	70	20	180	–	–	1
June	27.1	16.7	29.6	14.7	31.2	13.0	96	65	232	88	22	146	–	–	1
July	25.9	16.8	28.3	14.8	29.5	13.6	98	68	248	65	23	115	–	–	2
August	25.7	16.9	28.4	15.0	29.7	13.2	98	69	292	100	23	115	–	–	1
September	26.4	16.4	29.0	14.4	30.7	13.5	98	66	239	77	23	127	–	–	1
October	28.0	16.0	30.3	13.8	32.0	11.9	97	55	145	50	16	173	–	–	< 1
November	29.6	13.8	31.6	10.6	33.4	5.2	84	32	12	56	2	254	–	–	< 1
December	30.1	12.3	32.0	9.7	33.9	5.0	65	21	1	18	< 1	289	–	–	< 1
Year	28.7	15.5	34.8*	8.8*	35.9	3.2	83	47	1577	100	148	2327	–	–	8
No. of Years	29	29	29	29	29	29	20	20	25	22	25	19	–	–	19

N'Koundja (Koundja) 05° 37′ N 10° 45′ E 1217 m

Period 1951–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.1	15.1	31.1	13.2	32.8	12.1	82	31	4	44	1	245	–	–	< 1
February	29.9	15.7	32.1	13.7	33.0	11.4	79	32	31	69	3	239	–	–	< 1
March	29.0	17.0	31.8	14.9	33.5	14.0	87	47	115	64	11	211	–	–	< 1
April	27.5	17.0	30.1	15.5	31.6	14.8	93	61	171	65	16	186	–	–	< 1
May	26.5	16.6	28.5	14.9	29.5	13.0	96	67	210	64	19	209	–	–	< 1
June	25.4	16.0	27.5	14.2	28.1	13.0	97	71	201	64	20	172	–	–	< 1
July	24.5	16.1	26.6	14.2	28.6	13.3	97	74	331	77	24	125	–	–	1
August	24.6	15.9	26.6	14.1	27.6	13.1	97	73	302	71	23	123	–	–	1
September	24.8	15.8	26.9	14.0	28.3	13.0	98	73	354	112	26	131	–	–	< 1
October	25.6	15.9	27.7	14.4	28.6	13.5	97	67	269	97	25	172	–	–	< 1
November	27.0	15.5	28.6	13.7	29.5	11.2	93	49	62	39	8	234	–	–	< 1
December	28.3	14.7	29.8	12.9	30.9	11.9	86	37	10	31	1	269	–	–	< 1
Year	26.9	15.9	32.4*	12.5*	33.5	11.2	92	57	2060	112	177	2316	–	–	2
No. of Years	20	20	20	20	20	20	17	17	20	20	20	19	–	–	19

Yaoundé 03° 52′ N 11° 32′ E 760 m

Period 1941–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.9	19.0	31.1	16.3	32.5	14.0	97	61	24	50	3	177	–	–	< 1
February	29.7	19.5	32.3	16.6	33.9	14.0	97	60	63	102	5	169	–	–	< 1
March	29.7	19.4	32.1	16.8	34.1	15.8	97	63	148	92	13	152	–	–	1
April	29.2	19.3	31.6	16.9	33.5	15.2	97	67	195	92	16	150	–	–	1
May	28.4	19.2	30.8	17.2	32.4	15.7	98	70	212	79	18	160	–	–	1
June	27.4	19.0	29.6	17.0	32.3	15.2	97	73	146	72	15	112	–	–	1
July	25.8	18.7	28.5	17.2	30.6	15.2	97	75	60	72	10	83	–	–	3
August	26.2	18.5	28.6	17.1	30.4	15.0	96	75	83	94	11	83	–	–	2
September	27.1	18.7	29.2	17.1	30.9	15.1	98	73	167	83	21	97	–	–	1
October	27.5	18.5	29.9	16.7	32.5	14.8	98	72	292	79	24	121	–	–	1
November	28.2	18.9	30.1	16.8	33.0	14.0	98	67	135	66	13	156	–	–	1
December	28.4	19.0	30.2	16.9	32.4	14.2	98	64	25	30	4	172	–	–	< 1
Year	28.0	19.0	32.9*	15.3*	34.1	14.0	97	68	1550	102	153	1632	–	–	12
No. of Years	30	30	30	30	30	30	20	20	25	22	25	22	–	–	18

*Average of highest/lowest each year

CAMEROON

Yoko 05° 33′ N 12° 22′ E 1031 m

Period 1941–70 Bibliography 11, 23, 24, 25, 26	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.6	18.0	31.7	16.0	33.2	10.0	72	36	8	26	1	240	–	–	< 1
February	30.4	18.6	32.9	16.3	34.4	13.9	75	37	27	70	3	220	–	–	< 1
March	29.5	18.7	32.8	16.3	34.5	15.1	88	54	87	56	9	194	–	–	1
April	28.0	18.6	30.9	16.4	34.6	14.9	93	69	135	98	13	189	–	–	1
May	27.1	18.2	29.7	16.1	32.2	13.3	94	73	180	88	16	206	–	–	< 1
June	25.9	17.5	28.1	15.9	30.0	13.2	97	76	168	225	16	169	–	–	1
July	24.5	17.4	26.8	16.1	28.5	15.3	99	81	169	83	17	107	–	–	1
August	24.6	17.3	27.0	16.0	29.0	13.0	99	81	187	67	19	109	–	–	1
September	25.6	17.1	27.7	15.8	30.0	14.8	98	77	323	112	23	127	–	–	1
October	26.5	17.3	28.8	15.9	30.7	15.3	95	72	309	123	24	155	–	–	< 1
November	27.9	18.0	29.9	16.0	31.6	12.3	81	54	80	59	8	243	–	–	< 1
December	28.9	18.1	31.0	16.1	33.1	10.0	70	38	6	33	1	257	–	–	0
Year	27.4	17.9	33.3*	14.1*	34.6	10.0	88	62	1679	225	150	2216	–	–	6
No. of Years	30	30	30	30	30	30	20	20	25	22	25	18	–	–	18

---

*Average of highest/lowest each year

CENTRAL AFRICAN REPUBLIC

Bangassou 04° 44′ N 22° 50′ E 500 m

Period 1941–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.2	18.0	36.2	13.1	39.0	10.0	93	43	17	52	2	227	–	–	1
February	34.5	18.7	38.0	14.2	41.2	10.4	90	40	32	52	3	225	–	–	1
March	33.2	20.4	37.5	17.0	40.8	14.0	91	52	115	71	10	217	–	–	1
April	32.3	21.1	36.0	18.7	40.0	15.3	92	59	142	88	12	203	–	–	1
May	31.1	20.7	34.6	18.9	37.9	15.2	93	64	218	111	16	208	–	–	1
June	30.1	20.4	33.0	18.3	36.9	17.2	95	67	189	130	15	182	–	–	< 1
July	29.2	19.9	32.0	18.1	34.5	16.4	96	68	197	121	17	157	–	–	1
August	29.5	19.8	32.5	18.1	34.0	16.2	95	68	204	122	18	171	–	–	1
September	30.2	19.8	33.3	17.9	35.6	16.2	95	65	187	82	17	175	–	–	1
October	30.3	19.7	33.4	18.0	36.2	16.4	95	64	258	96	20	191	–	–	1
November	31.2	19.5	33.7	16.8	37.2	13.8	95	58	93	81	10	201	–	–	1
December	31.9	17.8	34.5	13.5	37.3	10.5	95	47	31	87	3	224	–	–	1
Year	31.4	19.7	38.3*	12.0*	41.2	10.0	94	58	1683	130	143	2381	–	–	11
No. of Years	21	21	21	21	25	25	21	17	30	30	21	14	–	–	8

Bangui 04° 23′ N 18° 34′ E 381 m

Period 1941–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.1	19.5	35.1	15.1	37.2	11.4	91	49	20	44	2	210	–	–	1
February	33.7	20.7	37.1	16.5	39.2	14.0	88	47	39	59	5	205	–	–	< 1
March	32.8	21.7	37.0	19.3	39.5	16.2	90	57	116	75	10	192	–	–	1
April	32.2	21.9	35.7	19.5	38.6	14.4	91	61	142	89	12	191	–	–	1
May	31.4	21.7	34.7	19.6	35.8	16.0	92	65	167	138	14	192	–	–	1
June	30.3	21.5	33.3	19.3	35.8	17.7	93	68	134	116	13	166	–	–	1
July	28.8	21.2	32.0	18.9	34.2	17.3	95	72	174	107	14	139	–	–	2
August	29.0	20.8	32.3	19.1	34.0	17.2	95	70	240	105	17	138	–	–	2
September	30.0	20.7	32.9	18.8	34.5	17.2	94	68	185	107	16	145	–	–	1
October	30.2	20.5	33.2	18.7	34.9	17.9	94	68	190	105	17	157	–	–	1
November	30.7	20.5	33.7	18.5	34.7	16.2	94	65	89	47	11	179	–	–	1
December	31.6	19.4	34.2	15.9	35.8	12.8	93	52	24	89	4	218	–	–	1
Year	31.1	20.8	37.7*	14.4*	39.5	11.4	93	62	1520	138	135	2132	–	–	13
No. of Years	21	21-	21	21	30	30	21	17	21	21	21	21	–	–	10

Berberati 04° 15′ N 15° 47′ E 583 m

Period 1941–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.1	17.9	33.7	13.4	35.4	10.5	95	50	19	91	2	207	–	–	1
February	32.2	18.6	35.1	14.3	36.8	11.2	92	49	50	57	4	195	–	–	< 1
March	31.9	19.9	35.5	16.5	39.6	14.5	94	59	91	90	9	181	–	–	1
April	31.3	20.0	34.5	17.6	37.2	16.0	95	64	143	74	12	191	–	–	1
May	30.6	19.8	33.7	17.6	35.0	16.6	96	66	160	90	13	210	–	–	1
June	29.2	19.3	32.2	17.4	33.8	14.6	97	70	161	85	12	179	–	–	1
July	28.3	19.3	31.3	17.1	33.0	14.9	97	72	140	124	13	137	–	–	2
August	28.3	19.1	31.4	17.2	32.8	15.1	97	72	189	100	15	126	–	–	2
September	29.3	19.1	31.9	17.2	33.6	15.6	97	69	227	111	19	142	–	–	1
October	29.5	19.0	32.1	17.0	33.8	16.0	97	68	260	105	20	157	–	–	1
November	29.3	18.8	32.6	16.5	34.4	14.8	96	62	87	39	10	191	–	–	< 1
December	30.8	17.6	33.0	14.3	35.0	12.0	96	52	25	34	3	217	–	–	< 1
Year	30.1	19.0	35.5*	12.9*	39.6	10.5	96	63	1552	124	132	2133	–	–	11
No. of Years	30	30	30	30	30	30	21	17	30	30	21	17	–	–	10

*Average of highest/lowest each year

CENTRAL AFRICAN REPUBLIC

Birao 10° 17′ N 22° 47′ E 465 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 27, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				per cent		millimetres			hours		hours	
January	34.9	12.3	38.8	8.0	41.0	3.1	50	16	0	0	0	290	–	–	0
February	36.8	14.4	40.3	10.0	42.0	7.2	40	14	0	0	0	268	–	–	0
March	38.8	18.9	42.1	12.8	44.2	7.6	47	18	3	11	1	271	–	–	0
April	38.9	20.9	42.1	14.6	43.3	10.7	57	24	19	52	3	248	–	–	2
May	37.3	22.7	40.9	18.3	42.5	14.0	73	38	74	108	7	256	–	–	0
June	33.5	21.9	37.7	19.0	40.6	17.0	86	56	111	61	11	217	–	–	< 1
July	31.0	21.1	34.4	18.9	36.7	16.4	92	66	205	97	15	191	–	–	1
August	30.4	20.8	33.6	18.7	35.0	16.2	95	68	229	93	18	187	–	–	1
September	31.8	20.6	34.7	18.7	36.0	15.9	94	63	162	65	12	210	–	–	< 1
October	33.4	19.4	36.8	15.6	38.2	12.0	91	49	38	61	4	268	–	–	0
November	35.0	14.3	37.2	10.4	39.2	6.5	79	28	1	11	< 1	290	–	–	0
December	34.4	11.6	37.4	7.4	39.6	4.5	62	21	0	0	0	302	–	–	0
Year	34.7	18.2	42.4*	6.6*	44.2	3.1	72	38	842	108	71	2998	–	–	4
No. of Years	20	20	20	20	20	20	20	16	20	30	21	5	–	–	5

Bouar 05° 56′ N 15° 35′ E 936 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 27, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				per cent		millimetres			hours		hours	
January	31.7	18.2	33.3	15.4	35.2	12.3	59	25	4	25	1	–	–	–	–
February	32.1	19.2	34.5	16.4	35.6	13.0	63	32	21	44	2	–	–	–	–
March	31.1	19.8	34.1	17.1	35.7	15.4	80	49	75	63	8	–	–	–	–
April	29.6	19.5	32.6	16.9	35.0	15.5	89	62	116	89	11	–	–	–	–
May	28.7	19.1	31.1	16.7	33.0	15.4	92	66	139	64	13	–	–	–	–
June	27.3	18.4	29.5	16.5	30.7	14.5	93	70	166	112	16	–	–	–	–
July	26.3	18.4	28.8	16.5	31.1	15.1	95	73	207	86	17	–	–	–	–
August	26.1	18.1	28.2	16.5	29.2	15.0	95	75	313	111	20	–	–	–	–
September	26.7	17.9	28.8	16.3	31.2	15.0	95	71	282	113	23	–	–	–	–
October	27.7	18.0	29.7	16.5	31.2	15.4	93	64	183	103	19	–	–	–	–
November	29.9	18.2	31.4	15.9	32.2	13.0	77	43	35	48	4	–	–	–	–
December	31.2	18.1	32.8	15.4	34.5	14.0	62	27	6	54	1	–	–	–	–
Year	29.0	18.6	34.7*	14.6*	35.7	12.3	83	55	1547	113	135	–	–	–	–
No. of Years	21	21	17	21	17	21	21	17	20	30	21	–	–	–	–

Bouca 06° 30′ N 18° 16′ E 458 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 27, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				per cent		millimetres			hours		hours	
January	34.0	13.8	37.2	10.0	40.2	6.5	89	25	< 1	6	< 1	–	–	–	–
February	35.6	17.0	39.2	12.1	42.2	9.0	84	27	8	48	1	–	–	–	–
March	35.4	21.2	39.0	17.0	41.4	12.0	84	41	54	70	5	–	–	–	–
April	43.3	21.5	37.7	19.1	40.4	17.4	89	52	98	73	9	–	–	–	–
May	33.3	21.2	35.7	19.0	40.0	18.2	91	59	145	80	12	–	–	–	–
June	31.0	20.6	33.6	18.3	35.6	17.0	93	65	177	113	12	–	–	–	–
July	29.3	19.9	32.3	18.4	35.0	16.7	95	71	262	117	16	–	–	–	–
August	29.3	19.9	32.0	18.6	34.2	17.0	95	71	218	101	19	–	–	–	–
September	30.1	20.1	32.5	18.2	34.4	17.0	95	69	226	88	18	–	–	–	–
October	31.1	19.8	33.4	18.1	36.1	16.9	94	64	187	92	17	–	–	–	–
November	32.0	18.3	34.7	14.9	36.8	10.6	93	48	29	41	4	–	–	–	–
December	33.6	14.3	35.4	11.8	38.8	8.8	91	32	2	27	1	–	–	–	–
Year	32.4	19.0	39.6*	9.6*	42.2	6.5	91	52	1406	117	114	–	–	–	–
No. of Years	25	25	16	16	25	25	16	16	20	26	20	–	–	–	–

*Average of highest/lowest each year

Bria 06° 32′ N 21° 59′ E 584 m

Period 1941–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	34.3	14.7	37.2	10.1	39.6	6.8	88	29	7	34	1	–	–	–	–
February	35.8	16.3	38.7	11.7	40.2	8.6	83	29	15	18	2	–	–	–	–
March	34.4	19.6	38.6	14.4	40.8	11.4	87	43	89	103	8	–	–	–	–
April	32.9	20.4	36.8	17.3	39.2	13.0	90	55	112	100	10	–	–	–	–
May	31.4	20.3	34.7	18.4	36.0	17.4	92	61	180	80	14	–	–	–	–
June	30.0	19.7	32.8	17.8	34.3	16.8	94	66	177	93	14	–	–	–	–
July	28.9	19.6	31.6	17.9	33.4	17.0	95	68	222	92	17	–	–	–	–
August	28.8	19.5	31.6	18.0	33.1	17.2	96	71	283	101	19	–	–	–	–
September	29.9	19.3	32.6	17.5	34.2	16.6	95	66	243	115	19	–	–	–	–
October	30.6	19.1	33.2	17.2	34.1	15.1	95	63	188	76	18	–	–	–	–
November	32.1	17.2	34.1	13.4	34.8	11.0	94	48	41	65	5	–	–	–	–
December	33.2	14.5	35.4	10.2	36.6	7.6	92	34	4	45	1	–	–	–	–
Year	31.9	18.3	39.3*	9.0*	40.8	6.8	92	53	1561	115	128	–	–	–	–
No. of Years	21	21	21	21	21	21	21	17	30	30	21	–	–	–	–

N'Délé 08° 24′ N 20° 39′ E 510 m

Period . 1949–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.5	18.7	38.3	14.4	41.0	10.2	45	21	1	9	< 1	278	–	–	0
February	36.7	20.1	39.4	15.4	41.0	11.2	42	21	8	62	1	263	–	–	0
March	36.3	21.9	39.9	18.2	42.2	16.0	65	34	31	68	3	247	–	–	< 1
April	35.1	22.3	39.2	19.2	41.2	16.2	78	45	74	58	7	200	–	–	3
May	32.8	21.7	36.3	19.1	40.0	17.3	85	55	144	80	13	205	–	–	2
June	30.7	21.0	34.0	18.7	36.5	17.8	90	63	159	180	13	186	–	–	< 1
July	29.3	20.5	32.1	18.8	35.6	18.0	93	70	221	79	17	155	–	–	1
August	29.2	20.5	31.9	18.8	34.6	17.8	94	72	245	115	20	152	–	–	1
September	30.2	20.2	33.0	18.4	36.0	17.5	94	68	282	89	21	150	–	–	1
October	31.5	20.0	34.1	18.1	37.8	17.2	93	60	169	97	14	201	–	–	1
November	33.5	18.1	35.5	15.1	39.2	12.8	77	36	13	31	2	269	–	–	0
December	34.7	17.7	36.7	14.8	40.8	11.4	56	23	4	30	< 1	264	–	–	0
Year	32.9	20.2	40.2*	13.6*	42.2	10.2	76	47	1351	180	111	2570	–	–	9
No. of Years	20	20-	20	20	21	20	20	16	21	21	21	5	–	–	5

Obo 05° 24′ N 26° 30′ E 660 m

Period 1949–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.4	17.4	36.6	13.4	38.3	9.0	78	32	16	50	2	–	–	–	–
February	34.6	18.3	37.7	14.1	39.0	10.1	73	30	17	41	2	–	–	–	–
March	33.6	19.9	37.4	16.4	38.8	14.7	85	45	89	63	8	–	–	–	–
April	32.3	20.3	35.9	17.7	38.6	15.2	90	57	125	69	11	–	–	–	–
May	31.5	20.0	34.3	18.2	35.3	17.2	92	60	174	99	13	–	–	–	–
June	30.3	19.3	33.4	17.4	35.0	16.2	94	63	215	81	14	–	–	–	–
July	28.9	19.2	31.9	17.7	33.4	17.0	96	67	174	81	15	–	–	–	–
August	29.3	19.2	32.5	17.6	33.6	16.6	96	67	200	144	16	–	–	–	–
September	30.2	19.3	33.1	17.7	34.6	17.0	94	63	209	147	15	–	–	–	–
October	30.7	19.3	33.4	17.6	34.3	16.9	93	60	196	115	15	–	–	–	–
November	31.9	18.9	34.4	16.5	35.7	14.0	91	49	62	57	7	–	–	–	–
December	32.6	17.2	35.2	13.7	36.2	11.4	83	36	10	17	2	–	–	–	–
Year	31.6	19.0	38.3*	12.6*	39.0	9.0	89	52	1487	147	120	–	–	–	–
No. of Years	15	15	15	15	15	15	16	12	20	22	15	–	–	–	–

*Average of highest/lowest each year

CENTRAL AFRICAN REPUBLIC

Yalinga 06º 30′ N 23º 16′ E 602 m

Period 1950–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 27, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.2	12.9	37.0	7.7	38.0	4.2	90	26	8	54	1	–	–	–	–
February	35.4	14.9	38.2	9.6	40.0	7.6	85	26	18	48	2	–	–	–	–
March	34.0	18.5	37.7	12.3	39.8	9.8	89	42	68	87	7	–	–	–	–
April	32.7	19.8	36.4	16.0	38.8	10.0	93	54	110	69	8	–	–	–	–
May	31.2	20.1	34.4	17.6	36.0	14.4	95	61	173	107	13	–	–	–	–
June	29.7	19.3	32.7	17.4	34.0	16.6	96	66	208	108	15	–	–	–	–
July	28.7	19.2	31.3	17.1	32.4	15.5	97	69	226	146	16	–	–	–	–
August	28.9	19.1	31.5	17.0	33.0	16.1	97	69	240	107	19	–	–	–	–
September	30.0	18.9	32.7	16.8	34.3	16.0	97	66	280	94	17	–	–	–	–
October	30.7	18.5	33.6	16.1	35.0	14.5	97	62	218	80	17	–	–	–	–
November	32.3	16.3	34.7	11.3	36.0	8.5	97	45	36	48	4	–	–	–	–
December	33.3	13.1	35.9	8.4	36.8	5.5	95	32	5	18	1	–	–	–	–
Year	31.7	17.5	38.7*	7.0*	40.0	4.2	94	51	1590	146	120	–	–	–	–
No. of Years	16	16	16	16	16	16	17	13	20	21	18	–	–	–	–

*Average of highest/lowest each year

CHAD

Abéché 13º 51′ N 20º 51′ E 549 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 12, 14, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.5	15.9	39.9	11.9	50.0	8.7	30	16	0	0	0	315	–	–	–
February	36.7	17.7	40.6	13.2	49.0	9.0	23	15	0	0	0	291	–	–	–
March	39.7	21.7	43.1	16.9	49.5	11.0	22	15	< 1	2	< 1	300	–	–	–
April	41.4	24.1	44.3	20.0	49.5	11.0	25	18	2	13	1	295	–	–	–
May	40.9	24.9	43.9	20.4	49.5	12.0	34	22	20	35	3	316	–	–	–
June	38.9	24.1	42.6	19.9	48.0	16.5	59	31	33	32	6	294	–	–	–
July	34.8	22.2	39.3	18.5	45.8	9.4	77	49	125	96	12	253	–	–	–
August	32.0	21.2	35.2	18.1	39.0	17.0	88	60	223	138	17	209	–	–	–
September	34.8	20.6	38.9	17.5	49.0	14.1	82	47	66	62	8	260	–	–	–
October	38.1	20.5	40.7	16.5	46.0	10.0	51	25	11	36	1	309	–	–	–
November	36.8	19.3	39.3	14.6	45.0	10.0	32	21	0	0	0	309	–	–	–
December	35.1	16.4	38.1	13.3	43.0	10.0	30	18	0	0	0	320	–	–	–
Year	37.1	20.7	43.5*	11.6*	50.0	8.7	46	28	480	138	48	3471	–	–	–
No. of Years	22	22	22	22	22	22	12	8	30	30	30	12	–	–	–

Am Timan 11º 02′ N 20º 17′ E 436 m

Period 1945–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 12, 14, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	36.1	13.4	39.3	9.3	42.0	5.5	51	18	0	0	0	–	–	–	–
February	37.7	15.9	40.5	10.7	43.0	6.5	40	15	2	41	< 1	–	–	–	–
March	39.5	19.9	42.3	14.3	45.0	11.2	45	20	8	52	1	–	–	–	–
April	39.3	22.3	42.3	17.5	45.0	13.6	59	27	22	36	3	–	–	–	–
May	37.3	22.9	41.1	18.7	42.9	12.7	70	35	69	69	7	–	–	–	–
June	33.9	21.8	38.5	18.7	40.7	17.4	81	47	122	159	11	–	–	–	–
July	31.0	20.9	34.5	18.5	37.9	17.3	91	63	187	83	15	–	–	–	–
August	30.0	20.6	32.9	18.4	34.0	16.3	94	70	297	121	18	–	–	–	–
September	31.5	20.6	34.3	18.5	35.3	17.1	94	63	136	75	12	–	–	–	–
October	33.9	19.8	36.6	16.7	39.7	13.6	91	48	36	41	4	–	–	–	–
November	35.7	15.8	37.5	12.2	40.0	9.2	75	27	1	25	< 1	–	–	–	–
December	35.8	13.1	38.1	9.2	39.7	6.2	61	18	0	0	0	–	–	–	–
Year	35.1	18.9	42.6*	8.6*	45.0	5.5	71	37	870	159	71	–	–	–	–
No. of Years	18	18-	18	18	18	18	17	12	20	20	21	–	–	–	–

Ati 13º 13′ N 18º 20′ E 334 m

Period 1941–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 12, 14, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.2	14.4	39.4	10.5	41.4	8.0	39	19	0	0	0	–	–	–	–
February	36.2	16.3	40.6	12.2	43.8	8.5	33	16	0	0	0	–	–	–	–
March	40.1	20.9	43.6	16.0	46.9	14.1	30	17	< 1	6	< 1	–	–	–	–
April	41.7	24.7	44.5	20.2	46.2	17.4	35	20	< 1	9	< 1	–	–	–	–
May	40.9	26.1	44.1	21.8	45.5	20.0	48	27	17	41	2	–	–	–	–
June	38.7	25.8	42.5	21.4	43.5	20.5	63	37	32	48	5	–	–	–	–
July	34.7	23.9	39.2	20.5	41.3	17.4	79	54	118	115	10	–	–	–	–
August	31.5	22.7	35.0	19.9	37.7	19.2	89	68	190	75	16	–	–	–	–
September	34.2	22.8	37.6	19.7	40.2	17.5	86	53	64	48	6	–	–	–	–
October	37.3	21.3	40.1	17.8	41.2	13.7	64	29	4	19	1	–	–	–	–
November	37.0	18.4	39.6	14.7	41.3	12.2	42	20	< 1	0	< 1	–	–	–	–
December	34.9	15.0	38.7	11.3	40.5	9.0	41	21	0	0	0	–	–	–	–
Year	36.8	21.0	44.8*	9.6*	46.9	8.0	54	32	425	115	40	–	–	–	–
No. of Years	18	18	18	18	18	18	18	13	30	30	30	–	–	–	–

*Average of highest/lowest each year

CHAD

Bokoro 12° 23′ N 17° 03′ E 299 m

Period 1946–70 Bibliography 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.5	13.8	38.8	10.1	40.8	7.8	40	–	0	0	0	–	–	–	–
February	37.2	16.0	41.3	11.8	42.8	9.0	34	–	0	0	0	–	–	–	–
March	40.0	20.5	43.5	15.8	45.2	13.9	31	–	< 1	5	< 1	–	–	–	–
April	41.5	24.6	44.5	19.4	45.4	16.2	43	–	5	39	1	–	–	–	–
May	40.8	25.9	43.6	21.7	45.0	20.2	54	–	31	52	4	–	–	–	–
June	36.9	24.7	41.9	20.5	44.0	17.5	72	–	63	66	6	–	–	–	–
July	33.9	23.4	37.8	19.9	39.5	18.5	83	–	147	87	12	–	–	–	–
August	31.5	22.2	34.6	19.8	35.8	19.0	93	–	235	119	15	–	–	–	–
September	33.9	22.4	37.1	19.7	38.3	18.4	91	–	84	57	8	–	–	–	–
October	37.2	21.2	39.9	16.7	41.0	14.0	77	–	15	49	2	–	–	–	–
November	36.8	17.9	40.3	14.1	46.1	11.6	50	–	< 1	2	< 1	–	–	–	–
December	35.7	14.7	39.0	11.5	40.2	10.0	42	–	0	0	0	–	–	–	–
Year	36.7	20.6	44.9*	9.3*	46.1	7.8	59	–	580	119	48	–	–	–	–
No. of Years	9	9	9	9	9	9	9	–	25	25	25	–	–	–	–

Bousso 10° 29′ N 16° 43′ E 336 m

Period 1943–70 Bibliography 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.5	15.1	39.1	11.9	40.8	9.5	42	19	< 1	4	< 1	296	–	–	–
February	37.7	17.6	40.7	13.7	41.8	11.2	33	15	0	0	0	270	–	–	–
March	39.9	22.3	42.9	17.6	44.0	15.8	40	16	5	36	1	267	–	–	–
April	39.3	25.5	42.8	20.9	45.2	18.8	62	31	26	55	3	243	–	–	–
May	36.3	25.1	41.8	21.5	49.9	19.7	73	39	63	90	8	261	–	–	–
June	33.5	23.4	38.9	20.3	41.3	19.6	84	54	119	80	11	219	–	–	–
July	30.8	22.6	34.3	20.3	35.8	19.3	93	68	213	117	15	192	–	–	–
August	30.0	22.2	33.1	20.0	34.0	19.0	96	73	286	171	19	170	–	–	–
September	31.2	22.3	34.0	20.1	34.8	19.6	95	67	173	82	14	188	–	–	–
October	33.3	22.5	36.3	18.9	37.5	17.0	91	55	41	98	4	252	–	–	–
November	35.1	18.4	37.3	14.0	38.9	11.7	70	31	2	54	< 1	284	–	–	–
December	35.0	15.7	38.5	12.1	40.2	7.9	54	21	0	0	0	292	–	–	–
Year	34.8	21.1	44.0*	10.7*	49.9	7.9	69	41	928	171	75	2934	–	–	–
No. of Years	11	11-	11	11	11	11	11	7	28	26	23	10	–	–	–

Faya–Largeau 18° 00′ N 19° 10′ E 234 m

Period 1941–70 Bibliography 11, 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.1	13.8	33.9	8.9	37.8	4.6	31	18	0	0	0	–	–	–	–
February	30.0	15.2	36.0	9.3	42.5	5.0	26	14	0	0	0	–	–	–	–
March	34.4	18.6	40.8	11.9	43.8	7.0	23	12	< 1	< 1	0	–	–	–	–
April	38.7	22.2	43.9	16.1	45.6	11.0	21	12	0	0	0	–	–	–	–
May	40.8	24.8	44.8	19.0	47.4	15.1	24	13	1	1	< 1	–	–	–	–
June	42.3	25.9	44.9	20.1	46.8	16.0	27	15	1	48	< 1	–	–	–	–
July	40.5	25.5	43.3	20.6	45.0	17.2	38	21	2	13	1	–	–	–	–
August	39.7	25.6	42.5	21.3	44.0	19.0	50	26	11	30	2	–	–	–	–
September	39.6	25.6	42.2	20.7	43.1	16.8	30	16	1	23	< 1	–	–	–	–
October	36.8	22.8	40.5	17.7	42.8	15.0	27	16	< 1	2	< 1	–	–	–	–
November	32.1	18.5	36.8	13.3	40.6	8.4	30	17	0	0	0	–	–	–	–
December	28.2	14.8	34.0	9.0	37.9	4.2	32	19	0	0	0	–	–	–	–
Year	35.9	21.1	45.1*	7.3*	47.4	4.2	30	17	16	48	3	–	–	–	–
No. of Years	18	18	18	18	18	18	18	13	30	30	30	–	–	–	–

*Average of highest/lowest each year

CHAD

Mongo 12º 11′ N 18º 41′ E 428 m

Period 1949–70 Bibliography 11, 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.4	18.2	39.1	13.1	41.6	8.0	27	13	0	0	0	–	–	–	–
February	37.2	20.3	40.7	14.8	43.9	9.5	20	10	0	0	0	–	–	–	–
March	39.7	24.7	42.7	18.9	44.9	15.5	23	11	3	13	1	–	–	–	–
April	40.4	26.5	43.4	22.6	44.8	16.2	37	20	15	30	2	–	–	–	–
May	39.0	26.0	42.3	21.7	44.4	14.0	51	27	49	66	5	–	–	–	–
June	36.0	24.6	39.9	20.1	41.8	17.2	67	37	83	51	9	–	–	–	–
July	32.2	22.5	36.5	19.6	39.5	14.0	81	56	161	84	15	–	–	–	–
August	29.9	21.5	32.9	19.2	36.8	12.5	89	69	301	111	18	–	–	–	–
September	32.1	22.0	35.5	19.6	39.4	17.6	85	57	133	76	11	–	–	–	–
October	35.8	21.8	38.4	18.2	41.0	13.6	70	34	29	58	3	–	–	–	–
November	36.8	20.6	38.6	16.5	40.1	12.5	39	17	< 1	3	< 1	–	–	–	–
December	35.6	18.4	38.5	13.5	41.1	10.5	29	14	0	0	0	–	–	–	–
Year	35.8	22.3	43.2*	12.3*	44.9	8.0	51	30	794	111	64	–	–	–	–
No. of Years	20	20	20	20	20	20	12	8	22	22	22	–	–	–	–

Moundou 08º 37′ N 16º 04′ E 422 m

Period 1941–70 Bibliography 11, 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.7	14.6	38.3	11.7	47.0	10.2	59	16	0	0	0	289	–	–	–
February	37.6	17.7	40.5	13.7	45.0	11.0	44	12	0	9	< 1	259	–	–	–
March	39.2	22.0	42.0	17.1	45.5	15.0	48	17	7	27	1	251	–	–	–
April	37.9	23.5	41.5	19.9	44.9	17.0	71	38	50	87	6	222	–	–	–
May	35.2	23.1	39.3	20.0	43.5	18.9	81	47	93	60	9	240	–	–	–
June	32.5	21.8	36.7	19.3	45.2	18.5	89	59	134	76	11	203	–	–	–
July	30.2	21.3	34.0	19.3	43.0	17.5	93	67	228	98	15	175	–	–	–
August	29.8	20.9	33.4	19.4	41.0	18.2	94	69	290	105	19	161	–	–	–
September	30.3	20.9	33.2	19.0	36.7	18.0	94	66	227	83	17	181	–	–	–
October	32.6	21.1	35.2	18.8	37.6	17.0	91	52	70	77	8	234	–	–	–
November	34.8	18.0	36.7	14.7	39.7	12.4	82	28	2	31	1	283	–	–	–
December	34.4	14.8	36.9	11.7	39.8	6.0	73	20	0	0	0	297	–	–	–
Year	34.1	20.0	41.7*	11.2*	47.0	6.0	77	41	1101	105	87	2795	–	–	–
No. of Years	19	19-	19	19	19	19	12	8	22	30	30	11	–	–	–

N'Djamena (formerly Fort Lamy) 12º 08′ N 15º 02′ E 295 m

Period 1941–70 Bibliography 11, 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.1	13.7	38.1	10.0	39.8	7.9	48	14	0	0	0	300	–	–	0
February	36.0	16.1	40.5	11.7	42.8	9.5	37	10	0	0	0	284	–	–	< 1
March	39.3	20.6	42.7	15.7	44.0	13.0	36	11	< 1	2	< 1	273	–	–	< 1
April	40.9	24.2	43.9	19.7	45.7	17.2	43	16	7	37	1	265	–	–	< 1
May	40.0	25.1	43.1	21.0	44.6	16.8	56	25	29	82	4	274	–	–	< 1
June	36.8	24.0	41.1	20.5	42.9	18.2	72	40	66	61	9	243	–	–	< 1
July	32.9	22.6	37.4	19.8	40.1	18.0	83	57	150	101	15	204	–	–	< 1
August	30.5	22.0	33.6	19.7	35.5	18.5	90	68	247	156	18	183	–	–	1
September	32.5	22.4	35.9	19.3	37.9	13.6	88	59	102	73	11	220	–	–	< 1
October	36.2	21.3	39.2	17.1	41.0	14.0	76	33	22	45	2	286	–	–	< 1
November	36.2	17.9	38.9	14.1	40.8	10.9	51	18	1	16	< 1	296	–	–	0
December	34.0	14.7	37.7	11.0	39.4	9.1	49	14	< 1	< 1	< 1	309	–	–	0
Year	35.7	20.4	44.1*	9.2*	45.7	7.9	61	30	624	156	60	3137	–	–	1
No. of Years	18	18	18	18	18	18	18	13	30	30	18	18	–	–	13

*Average of highest/lowest each year

CHAD

Pala 09° 22′ N 14° 55′ E 420 m

Period 1946–70 Bibliography 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.0	17.6	36.9	14.6	38.5	12.2	37	13	0	0	0	300	–	–	–
February	35.5	19.6	39.3	15.7	40.0	13.5	30	12	< 1	< 1	< 1	281	–	–	–
March	38.3	23.7	40.8	19.9	41.9	17.9	36	17	7	43	1	276	–	–	–
April	36.8	25.1	40.9	20.6	41.8	18.0	62	34	42	59	5	239	–	–	–
May	34.4	23.7	38.6	18.4	40.2	18.1	74	45	105	71	10	257	–	–	–
June	31.2	21.9	35.8	18.7	38.2	14.0	86	59	161	74	12	203	–	–	–
July	29.4	21.5	32.3	19.1	33.9	17.9	91	69	231	80	15	190	–	–	–
August	28.6	21.1	31.5	19.1	33.0	18.0	92	71	239	87	18	171	–	–	–
September	29.7	20.7	33.0	18.7	39.8	17.1	91	67	196	94	16	195	–	–	–
October	32.3	21.6	34.9	18.9	36.2	15.0	85	54	61	81	7	251	–	–	–
November	34.0	19.0	36.0	16.0	36.5	15.0	55	21	4	18	1	294	–	–	–
December	33.8	17.8	36.6	14.6	38.5	12.7	43	18	0	0	0	310	–	–	–
Year	33.1	21.1	41.3*	13.6*	41.9	12.2	65	40	1046	87	85	2967	–	–	–
No. of Years	11	11	11	11	11	11	11	7	25	25	25	11	–	–	–

Sarh (formerly Fort Archambault) 09° 08′ N 18° 23′ E 365 m

Period 1941–70 Bibliography 11, 12, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	36.5	16.2	39.6	13.5	41.9	11.0	57	18	0	0	0	261	–	–	–
February	38.3	18.5	40.9	14.8	43.7	9.5	49	15	1	13	< 1	252	–	–	–
March	39.2	22.3	42.2	17.7	44.2	14.5	58	25	13	36	1	231	–	–	–
April	38.1	24.2	41.8	20.0	45.0	16.0	66	41	47	74	5	219	–	–	–
May	35.6	23.5	39.6	20.2	42.5	18.1	80	49	97	82	9	221	–	–	–
June	33.1	22.1	36.9	19.2	40.0	15.5	88	59	145	77	13	191	–	–	–
July	31.0	21.4	34.5	19.4	37.0	15.0	93	69	227	107	18	160	–	–	–
August	30.2	21.4	33.4	19.5	37.6	16.7	96	71	299	154	21	150	–	–	–
September	31.1	21.4	34.1	19.1	36.0	15.9	95	68	214	119	18	172	–	–	–
October	33.1	21.8	36.0	19.5	39.9	15.6	91	56	71	53	8	224	–	–	–
November	35.4	19.4	37.4	15.6	39.6	13.3	81	32	2	13	1	263	–	–	–
December	35.8	16.2	38.0	13.8	41.0	10.0	71	22	< 1	1	< 1	266	–	–	–
Year	34.8	20.7	41.8*	12.2*	45.0	9.5	77	44	1116	154	94	2610	–	–	–
No. of Years	29	29	29	29	29	29	12	8	30	30	28	23	–	–	–

---

*Average of highest/lowest each year

CONGO

Brazzaville 04° 15′ S 15° 15′ E 314 m

Period 1950–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.1	21.3	33.4	19.3	34.5	17.8	95	69	139	92	10	150	–	–	2
February	30.8	21.2	33.9	19.1	35.1	17.5	93	65	131	129	11	146	–	–	1
March	31.3	21.2	34.6	19.5	36.4	18.4	94	64	195	120	14	169	–	–	1
April	31.8	21.6	34.1	20.0	35.2	19.2	95	66	211	101	15	172	–	–	1
May	30.2	21.2	33.5	19.0	35.0	17.0	95	67	127	107	10	159	–	–	1
June	28.1	18.7	31.8	15.3	35.2	13.0	94	67	4	24	1	137	–	–	2
July	26.5	17.1	30.5	14.0	32.6	11.5	93	65	1	6	< 1	118	–	–	4
August	27.9	18.1	32.1	14.7	34.0	12.8	89	60	2	12	1	143	–	–	3
September	29.6	19.9	33.2	17.2	34.7	16.0	88	60	37	59	6	130	–	–	3
October	30.1	21.0	33.9	18.8	35.8	17.1	90	64	135	100	11	138	–	–	1
November	30.1	21.2	33.2	19.5	35.8	18.2	93	68	235	101	17	148	–	–	1
December	29.8	21.2	33.0	19.3	34.2	17.9	94	70	179	93	14	141	–	–	1
Year	29.7	20.3	34.9*	13.8*	36.4	11.5	93	65	1396	129	110	1751	–	–	21
No. of Years	21	21	21	21	21	21	21	17	21	21	21	21	–	–	9

Djambala 02° 32′ S 14° 46′ E 789 m

Period 1950–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.3	18.9	30.5	16.9	35.0	16.0	95	72	211	86	17	142	–	–	2
February	27.9	19.0	31.1	16.9	35.0	15.8	94	71	190	77	15	152	–	–	2
March	28.4	19.1	31.1	17.0	32.4	14.2	95	68	265	94	19	148	–	–	2
April	28.4	19.4	31.1	17.5	34.0	16.2	95	69	252	122	19	153	–	–	2
May	27.8	19.3	30.4	17.6	32.0	16.7	96	71	200	79	15	160	–	–	1
June	26.9	17.9	29.5	15.6	31.4	14.0	96	68	27	57	3	166	–	–	1
July	26.3	16.8	29.5	14.7	30.6	13.0	95	66	11	41	1	155	–	–	2
August	26.9	17.3	29.9	15.2	31.0	12.6	93	62	37	130	4	145	–	–	1
September	26.9	18.2	30.2	16.7	32.0	16.0	93	69	144	165	11	130	–	–	1
October	26.6	18.7	29.5	16.9	30.7	16.1	95	73	277	101	20	134	–	–	2
November	26.9	18.8	29.4	17.1	30.3	16.5	95	73	264	95	21	122	–	–	1
December	27.0	18.9	29.6	16.9	30.9	15.2	95	75	244	85	19	136	–	–	1
Year	27.3	18.5	31.7*	13.6*	35.0	12.6	95	70	2122	165	164	1743	–	–	18
No. of Years	21	21-	21	21	21	21	20	16	21	21	21	6	–	–	5

Gamboma 01° 54′ S 15° 51′ E 377 m

Period 1950–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	21.0	33.8	18.9	36.6	17.8	95	71	164	114	12	–	–	–	–
February	31.1	21.0	34.3	18.9	37.2	17.6	95	69	175	129	13	–	–	–	–
March	31.6	21.7	34.9	19.3	37.2	17.8	95	68	176	138	13	–	–	–	–
April	31.6	21.5	34.5	19.7	36.4	18.3	91	65	179	88	12	–	–	–	–
May	31.1	21.3	33.4	19.7	36.2	17.0	96	70	158	84	12	–	–	–	–
June	31.0	20.4	33.0	18.4	36.1	16.6	95	65	47	93	4	–	–	–	–
July	30.9	19.6	33.0	17.5	35.8	15.8	93	61	20	42	2	–	–	–	–
August	31.1	20.3	33.6	18.1	35.0	14.7	91	59	66	70	5	–	–	–	–
September	30.1	20.7	33.4	18.9	34.4	17.5	94	67	176	127	13	–	–	–	–
October	30.0	20.7	33.2	18.7	34.0	17.8	96	71	271	113	18	–	–	–	–
November	29.7	20.7	32.5	18.9	34.0	16.8	92	71	202	79	17	–	–	–	–
December	29.9	20.9	32.8	19.2	33.4	18.0	97	71	186	122	14	–	–	–	–
Year	30.7	20.8*	35.1*	17.1*	37.2	14.7	94	67	1820	138	135	–	–	–	–
No. of Years	21	21	21	21	21	21	21	17	21	21	21	–	–	–	–

*Average of highest/lowest each year

CONGO

Impfondo 01° 37′ N 18° 04′ E 326 m

Period 1950–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 27, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.7	20.0	33.7	16.7	35.0	14.0	98	70	71	54	6	195	–	–	1
February	31.7	20.5	34.7	17.5	36.8	14.9	97	66	88	61	7	180	–	–	1
March	31.8	21.0	35.6	18.8	37.2	16.6	96	67	166	81	12	180	–	–	1
April	31.5	21.1	34.8	19.1	36.7	17.7	97	70	168	112	13	163	–	–	2
May	31.0	21.1	34.0	19.2	35.5	17.8	97	72	173	78	14	180	–	–	1
June	29.8	20.5	32.9	18.5	34.8	15.0	98	75	161	95	12	156	–	–	2
July	28.9	20.1	31.6	17.9	32.5	15.2	98	76	147	76	12	147	–	–	2
August	29.0	20.3	32.3	18.3	33.6	15.8	98	75	172	101	14	146	–	–	2
September	29.6	20.3	32.6	18.3	34.1	16.8	98	74	179	120	17	136	–	–	1
October	29.7	20.3	32.7	18.5	34.0	16.4	97	75	211	87	17	148	–	–	2
November	29.7	20.4	32.6	18.5	33.6	17.4	98	75	182	74	15	162	–	–	1
December	30.3	20.3	33.0	17.6	33.8	15.4	98	71	79	68	7	187	–	–	1
Year	30.3	20.5	35.8*	15.5*	37.2	14.0	97	72	1797	120	146	1980	–	–	17
No. of Years	21	21	21	21	21	21	21	17	21	21	21	21	–	–	10

Luobomo (formerly Dolisie) 04° 11′ S 12° 40′ E 330 m

Period 1950–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 27, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.9	21.6	32.7	19.3	34.4	15.0	93	69	124	73	13	153	–	–	1
February	30.7	21.6	33.5	19.6	35.7	17.9	93	68	167	113	13	135	–	–	< 1
March	31.1	21.8	33.8	19.5	35.3	18.3	94	65	228	99	17	165	–	–	1
April	30.9	21.8	33.5	19.8	35.6	18.0	95	67	210	145	17	149	–	–	1
May	29.6	21.4	32.7	19.5	34.0	17.3	93	70	82	105	9	147	–	–	1
June	27.1	19.2	30.5	16.2	32.2	13.5	91	66	1	10	< 1	132	–	–	1
July	25.3	18.0	29.3	15.3	32.5	13.6	89	65	< 1	< 1	< 1	119	–	–	4
August	25.7	18.3	29.4	15.8	31.1	14.2	87	64	< 1	1	< 1	102	–	–	4
September	27.2	19.7	31.2	17.6	35.2	14.6	87	64	6	37	3	91	–	–	2
October	29.3	21.3	32.5	19.6	34.0	17.8	88	65	73	111	8	117	–	–	1
November	29.6	21.5	32.4	19.7	33.6	18.8	92	69	232	93	17	127	–	–	1
December	29.4	21.6	32.1	19.6	33.7	18.3	93	71	165	80	15	133	–	–	1
Year	28.8	20.7	34.2*	14.9*	35.7	13.5	91	67	1288	145	112	1570	–	–	18
No. of Years	21	21 -	21	21	21	21	20	16	21	21	21	7	–	–	5

Makoua 00° 01′ S 15° 39′ E 346 m

Period 1959–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	20.5	33.8	18.1	34.5	17.0	97	70	154	87	8	165	–	–	2
February	31.1	20.7	34.3	18.6	35.2	17.1	97	67	140	83	10	175	–	–	1
March	31.5	20.8	34.7	19.0	36.0	18.0	97	65	162	88	13	187	–	–	2
April	31.2	20.9	34.4	18.9	35.6	18.0	97	68	201	89	13	182	–	–	2
May	31.0	21.4	33.8	19.3	34.3	18.0	97	67	174	89	13	184	–	–	1
June	29.6	20.4	32.6	18.5	33.5	17.2	97	71	77	83	8	163	–	–	2
July	28.5	19.7	31.7	17.6	32.9	15.0	97	69	29	50	4	126	–	–	3
August	29.0	20.1	32.2	17.9	33.2	15.2	95	67	129	107	8	133	–	–	1
September	29.3	20.3	32.5	18.2	34.0	16.9	97	71	226	104	14	130	–	–	1
October	30.2	20.4	33.3	18.7	34.4	17.5	97	70	253	108	17	161	–	–	< 1
November	30.1	20.4	33.0	18.9	34.0	17.8	97	70	195	66	15	147	–	–	1
December	30.1	20.5	33.0	18.7	33.5	17.5	97	69	128	92	11	186	–	–	1
Year	30.2	20.5	34.9*	17.0	36.0	15.0	97	69	1868	108	134	1939	–	–	17
No. of Years	12	12	12	12	12	12	12	8	12	12	12	6	–	–	5

*Average of highest/lowest each year

CONGO

Ouesso $01^{o}37'N$ $16^{o}03'E$ 340 m

Period 1941–70 Bibliography 11, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	19.9	33.6	16.3	36.1	13.0	97	67	60	74	5	155	–	–	–
February	31.7	20.3	34.7	17.2	37.5	12.8	97	63	96	186	9	159	–	–	–
March	31.9	20.8	35.5	18.8	37.9	16.0	96	64	151	118	12	169	–	–	–
April	31.6	21.1	35.1	19.1	36.7	17.2	96	66	134	80	12	163	–	–	–
May	31.2	21.1	34.3	19.3	36.5	17.8	97	67	179	149	13	178	–	–	–
June	30.1	20.5	32.9	18.5	34.9	17.5	97	71	143	110	12	143	–	–	–
July	29.1	20.2	32.0	17.9	33.4	16.0	97	71	92	76	9	133	–	–	–
August	29.0	20.1	32.4	17.6	35.2	14.3	97	70	144	98	12	119	–	–	–
September	29.7	20.2	32.8	18.2	35.1	16.8	97	70	223	105	17	119	–	–	–
October	29.9	20.3	33.2	18.3	34.2	16.8	97	70	237	93	18	139	–	–	–
November	30.0	20.2	32.9	18.3	34.3	16.8	97	71	172	88	15	145	–	–	–
December	30.3	19.9	32.5	17.1	35.1	13.2	98	70	74	69	6	157	–	–	–
Year	30.4	20.4	35.6*	16.1*	37.9	12.8	97	68	1704	186	140	1779	–	–	–
No. of Years	30	30	21	21	21	21	12	7	20	20	20	20	–	–	–

Pointe Noire 04^{o} 49'S $11^{o}54'E$ 17 m

Period 1950–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.6	23.1	31.3	20.9	32.8	19.5	95	73	160	137	13	155	–	–	2
February	30.1	23.1	31.7	20.0	33.0	18.0	95	72	197	138	14	154	–	–	2
March	30.7	23.4	32.3	21.2	34.0	19.2	95	72	241	241	16	163	–	–	2
April	30.4	23.5	32.2	21.5	33.4	20.2	96	74	186	157	15	160	–	–	1
May	28.8	22.6	30.9	20.2	32.2	18.0	95	74	85	120	7	146	–	–	2
June	26.3	19.3	28.3	15.9	30.2	13.9	95	69	1	3	1	129	–	–	3
July	24.8	17.7	26.5	14.7	28.4	12.4	94	68	1	2	1	117	–	–	6
August	24.9	18.5	26.6	15.4	27.9	12.4	94	68	2	2	4	104	–	–	6
September	26.2	20.5	28.3	17.6	29.2	15.8	93	72	12	22	11	70	–	–	7
October	27.7	22.6	29.4	20.5	30.3	18.6	91	74	81	157	19	93	–	–	3
November	28.5	23.0	30.1	21.0	31.2	19.6	93	76	201	130	18	125	–	–	2
December	29.0	23.0	30.4	20.7	31.6	19.5	94	74	137	155	12	145	–	–	2
Year	28.1	21.7	32.6*	14.5*	34.0	12.4	94	72	1304	241	131	1561	–	–	38
No. of Years	21	21	21	21	21	21	21	17	21	21	21	19	–	–	10

Sibiti $03^{o}41'S$ $13^{o}21'E$ 531 m

Period 1950–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.7	20.2	30.4	18.2	31.6	17.0	97	77	151	127	12	–	–	–	–
February	28.5	20.0	31.3	18.0	32.8	16.1	97	74	169	83	12	–	–	–	–
March	29.0	20.3	31.7	18.4	33.0	17.2	97	73	208	110	14	–	–	–	–
April	28.9	20.2	31.5	18.6	32.5	17.7	97	74	252	102	16	–	–	–	–
May	27.4	20.2	30.8	18.3	33.3	15.9	97	78	141	103	11	–	–	–	–
June	24.5	18.0	28.1	14.9	32.0	11.6	98	79	1	3	2	–	–	–	–
July	22.9	16.4	26.7	13.5	29.7	8.9	98	79	1	2	2	–	–	–	–
August	23.8	16.9	27.8	14.4	29.6	9.0	97	75	2	3	3	–	–	–	–
September	25.5	18.3	29.9	16.2	31.7	14.2	96	74	19	43	5	–	–	–	–
October	27.7	19.7	31.2	17.7	33.1	14.9	96	73	130	87	13	–	–	–	–
November	27.9	19.9	30.6	17.9	32.0	15.8	97	75	305	121	21	–	–	–	–
December	27.5	19.9	30.4	18.1	33.1	17.0	97	78	220	107	17	–	–	–	–
Year	26.8	19.2	32.2*	13.1*	33.3	8.9	97	76	1599	127	128	–	–	–	–
No. of Years	21	21	21	21	21	21	21	17	21	21	21	–	–	–	–

*Average of highest/lowest each year

CONGO

Souanké 02°04′N 14°03′E 547 m

Period 1950–70 Bibliography 11, 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.5	18.0	31.8	15.4	33.2	11.5	96	75	51	65	4	–	–	–	–
February	29.2	18.4	32.6	15.8	35.2	12.4	96	73	81	58	8	–	–	–	–
March	29.8	18.9	33.7	16.8	35.1	11.5	96	71	182	70	13	–	–	–	–
April	30.1	19.3	33.5	17.5	35.3	12.6	96	70	183	127	15	–	–	–	–
May	29.5	19.2	33.1	17.3	35.2	12.0	96	73	225	113	15	–	–	–	–
June	28.1	19.2	31.5	16.7	33.3	13.0	96	77	110	78	11	–	–	–	–
July	26.7	18.8	30.1	16.1	31.7	13.4	96	79	75	77	7	–	–	–	–
August	26.8	18.6	30.6	16.0	32.3	12.6	96	78	99	158	9	–	–	–	–
September	28.0	18.9	30.9	17.8	32.1	12.8	96	76	228	167	17	–	–	–	–
October	28.3	19.0	31.3	18.1	34.8	12.6	96	75	258	103	19	–	–	–	–
November	28.5	18.7	31.4	17.6	32.4	12.0	96	74	166	69	13	–	–	–	–
December	28.5	18.2	31.5	16.1	32.4	13.2	96	74	57	55	6	–	–	–	–
Year	28.5	18.8	34.0*	14.5*	35.3	11.5	96	75	1715	167	137	–	–	–	–
No. of Years	21	21	21	21	21	21	21	17	21	21	21	–	–	–	–

---

*Average of highest/lowest each year

DJIBOUTI

Djibouti 11°33′N 43°09′E 8 m

Period 1944–70 Bibliography 30, 31, 32	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.5	21.9	29.9	19.2	31.1	17.1	84	65	16	67	4	255	–	–	–
February	28.9	22.6	30.6	19.7	33.4	17.0	82	65	10	74	3	239	–	–	–
March	30.1	24.0	32.7	20.8	36.1	16.5	83	65	17	123	2	276	–	–	–
April	31.7	25.8	34.1	22.9	36.3	18.5	84	67	14	49	2	278	–	–	–
May	34.4	27.3	38.5	24.1	43.5	19.8	81	61	6	53	1	314	–	–	–
June	38.4	29.5	44.4	26.9	46.0	24.9	63	48	< 1	2	< 1	250	–	–	–
July	41.5	31.0	44.8	27.1	45.8	23.3	50	32	11	47	2	239	–	–	–
August	40.7	30.2	44.2	26.4	45.4	23.6	56	35	14	37	2	275	–	–	–
September	37.6	29.3	43.3	26.2	44.8	23.1	69	48	4	46	1	282	–	–	–
October	33.2	25.7	35.5	22.8	38.4	19.3	77	59	9	47	2	305	–	–	–
November	30.7	23.7	32.1	21.2	33.5	19.0	81	61	35	108	5	286	–	–	–
December	29.2	22.2	30.6	20.3	33.0	18.0	83	62	10	29	4	263	–	–	–
Year	33.7	26.1	45.0*	18.5*	46.0	16.5	74	56	146	123	28	3262	–	–	–
No. of Years	25	25	25	25	25	25	22	22	25	25	25	15	–	–	–

Arta 11°31′N 42°50′E 705 m

Period 1956–69 Bibliography 31	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	22.7	17.3	24.7	15.8	26.3	14.8	95	77	23	56	6	226	–	–	–
February	23.5	17.8	26.3	16.1	27.9	15.3	94	77	36	46	5	208	–	–	–
March	25.5	19.1	29.3	16.9	34.0	16.0	91	76	18	44	4	257	–	–	–
April	27.4	21.0	31.5	18.9	33.0	16.1	90	76	44	114	4	252	–	–	–
May	32.4	24.3	38.0	21.1	40.4	19.0	72	60	18	64	1	303	–	–	–
June	37.1	27.6	39.6	24.2	41.7	22.8	55	41	< 1	4	< 1	246	–	–	–
July	36.7	26.8	39.2	22.2	40.1	19.2	58	41	13	21	3	241	–	–	–
August	36.0	26.2	38.4	21.4	39.5	19.4	61	43	19	48	3	270	–	–	–
September	34.6	25.5	38.1	21.1	39.8	17.1	67	48	11	36	2	273	–	–	–
October	28.8	21.7	33.4	19.6	37.2	18.8	84	65	9	45	1	295	–	–	–
November	25.3	19.4	27.9	17.9	30.0	16.9	91	70	46	82	5	258	–	–	–
December	23.7	17.8	25.7	16.2	28.5	14.4	94	74	13	33	3	251	–	–	–
Year	29.5	22.0	39.8*	15.3*	41.7	14.4	79	62	250	114	37	3080	–	–	–
No. of Years	14	14	14	14	14	14	14	14	14	14	14	14	–	–	–

---

*Average of highest/lowest each year

Alexandria 31°12′N 29°57′E 7 m

Period 1941–70 Bibliography 33, 34, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						per cent		millimetres			hours		hours	
January	18.8	9.6	23.1	5.6	27.7	2.5	74	55	46	43	11	205	64	–	–
February	19.6	9.9	25.8	6.0	36.4	4.3	73	54	24	28	7	217	70	–	–
March	21.4	11.8	30.6	7.7	40.4	5.4	69	52	13	22	4	271	73	–	–
April	24.1	14.0	35.7	9.8	43.2	6.8	69	55	3	13	2	292	78	–	–
May	26.7	16.9	36.7	13.1	45.1	10.1	66	56	1	9	1	345	79	–	–
June	29.2	20.9	36.9	17.1	44.6	15.0	69	60	0	0	0	357	84	–	–
July	30.0	22.9	32.9	19.9	38.1	17.2	71	63	0	0	0	379	86	–	–
August	30.7	23.3	34.3	20.3	40.0	17.5	70	61	1	10	< 1	366	89	–	–
September	29.7	21.7	34.3	18.1	39.9	15.0	65	57	1	23	< 1	318	87	–	–
October	27.9	18.6	32.8	14.6	39.0	12.5	68	55	11	39	3	293	84	–	–
November	24.7	15.5	30.1	11.6	36.5	7.7	72	56	37	65	5	252	78	–	–
December	20.5	11.5	25.2	7.4	29.0	4.2	75	55	51	37	9	207	65	–	–
Year	25.3	16.4	40.4*	5.0*	45.1	2.5	70	57	188	65	42	3502	78	–	–
No. of Years	26	26	22	22	22	22	18	18	26	22	21	13	20	–	–

Aswân 23°58′N 32°47′E 193 m

Period 1941–70 Bibliography 34, 35, 36, 37, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						per cent		millimetres			hours		hours	
January	24.0	8.9	31.6	4.7	36.5	1.6	52	26	< 1	< 1	< 1	–	–	–	–
February	26.2	10.1	33.5	5.6	39.2	3.2	45	20	< 1	< 1	< 1	–	–	–	–
March	30.3	13.6	38.4	8.2	43.2	5.4	35	16	< 1	1	< 1	–	–	–	–
April	35.3	18.2	42.6	12.3	48.1	7.5	32	14	< 1	7	< 1	–	–	–	–
May	39.6	22.6	45.8	17.0	48.3	13.6	25	13	1	5	< 1	–	–	–	–
June	41.9	24.6	43.4	20.9	49.3	18.2	27	13	0	0	0	–	–	–	–
July	41.7	25.5	45.3	22.8	48.1	20.2	30	16	0	0	0	–	–	–	–
August	41.8	25.7	45.2	22.7	48.3	19.8	32	17	< 1	< 1	< 1	–	–	–	–
September	39.9	23.2	44.3	19.5	48.2	15.8	36	18	< 1	1	< 1	–	–	–	–
October	36.8	20.6	42.3	16.3	46.4	11.8	41	20	< 1	< 1	< 1	–	–	–	–
November	31.0	15.7	37.2	11.0	41.8	6.5	49	27	< 1	1	< 1	–	–	–	–
December	25.8	10.7	32.5	6.7	37.0	4.0	54	29	< 1	1	< 1	–	–	–	–
Year	34.5	18.3	47.2*	4.4*	49.3	1.6	38	19	1	7	< 1	–	–	–	–
No. of Years	30	30	24	24	24	24	18	18	30	24	21	–	–	–	–

Asyût 27°11′N 31°06′E 70 m

Period 1941–48 1956–70 Bibliography 33, 34, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						per cent		millimetres			hours		hours	
January	20.8	6.4	27.7	2.8	33.0	0.0	62	36	0	0	0	–	–	–	–
February	22.8	7.3	30.5	3.8	37.3	1.7	57	30	1	20	< 1	–	–	–	–
March	26.5	10.7	35.4	6.3	43.4	4.0	48	23	< 1	0	0	–	–	–	–
April	31.7	14.9	41.1	9.3	45.7	5.6	39	15	< 1	3	< 1	–	–	–	–
May	35.4	18.9	43.9	14.2	48.0	11.6	36	14	< 1	15	< 1	–	–	–	–
June	37.8	21.5	44.1	18.4	48.4	14.6	42	17	0	0	0	–	–	–	–
July	36.7	20.1	41.3	19.5	46.8	17.9	52	23	0	0	0	–	–	–	–
August	36.7	22.1	41.2	20.0	45.2	18.0	54	22	0	0	0	–	–	–	–
September	34.5	20.1	40.5	17.5	44.3	14.0	59	24	0	0	0	–	–	–	–
October	31.5	18.0	37.4	14.0	41.0	11.2	59	33	0	0	0	–	–	–	–
November	27.3	13.3	33.4	9.0	39.0	5.1	63	36	0	0	0	–	–	–	–
December	22.5	8.7	29.0	4.8	33.5	2.6	61	35	1	8	< 1	–	–	–	–
Year	30.3	15.2	45.5*	2.5*	48.4	0.0	53	26	2	20	< 1	–	–	–	–
No. of Years	23	23	22	22	22	22	11	11	23	22	22	–	–	–	–

*Average of highest/lowest each year

EGYPT

Bahariya 28°20′N 28°54′E 129 m

Period 1941–70 Bibliography 33, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	20.3	5.0	26.5	2.5	29.8	−3.5	69	40	< 1	2	< 1	–	–	–	–
February	22.1	6.5	29.1	2.0	36.3	−0.1	67	38	1	6	< 1	–	–	–	–
March	25.7	9.2	34.9	4.5	41.3	1.5	58	33	0	0	0	–	–	–	–
April	30.6	13.2	40.1	7.7	45.0	3.3	53	26	1	< 1	< 1	–	–	–	–
May	34.2	17.3	42.6	11.7	47.5	9.0	52	23	< 1	2	< 1	–	–	–	–
June	36.7	20.0	43.1	16.5	47.8	13.0	53	24	< 1	< 1	< 1	–	–	–	–
July	36.9	20.7	41.5	18.2	45.5	13.0	58	24	< 1	< 1	< 1	–	–	–	–
August	37.1	21.1	41.8	18.6	45.6	15.0	61	27	0	0	0	–	–	–	–
September	34.1	19.0	39.7	16.0	43.0	12.1	67	30	< 1	1	< 1	–	–	–	–
October	31.1	16.0	36.8	11.5	41.6	8.6	64	32	< 1	6	< 1	–	–	–	–
November	27.2	11.4	32.5	6.4	39.8	2.0	69	39	< 1	< 1	< 1	–	–	–	–
December	21.7	6.8	27.5	2.0	35.8	−0.4	70	41	1	13	< 1	–	–	–	–
Year	29.8	13.9	45.1*	0.1*	47.8	−3.5	62	31	3	13	< 1	–	–	–	–
No. of Years	30	30	22	22	22	22	19	18	30	22	21	–	–	–	–

Cairo 30°08′N 31°34′E 75 m

Period 1941–70 Bibliography 33, 34, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	19.4	8.7	25.3	5.0	30.0	1.2	71	43	4	10	3	213	65	–	–
February	21.0	9.3	28.4	5.7	35.5	3.2	69	39	4	14	2	234	73	–	–
March	24.2	11.5	32.7	7.3	39.2	5.0	64	33	3	12	1	269	73	–	–
April	28.1	14.3	38.4	9.8	42.4	7.6	61	28	1	4	1	291	76	–	–
May	32.4	17.5	41.3	13.4	47.8	11.2	56	25	2	16	1	324	77	–	–
June	35.0	20.2	42.2	17.1	46.4	10.4	64	27	< 1	4	0	357	85	–	–
July	35.3	21.7	39.5	19.6	45.3	18.2	72	31	0	0	0	363	83	–	–
August	34.9	22.0	38.9	20.1	43.4	19.0	74	35	0	0	0	351	85	–	–
September	32.7	20.2	37.8	17.6	40.6	15.9	73	37	< 1	< 1	< 1	311	85	–	–
October	30.2	17.9	36.1	14.4	43.7	12.3	70	36	1	14	1	292	83	–	–
November	25.7	14.3	31.8	9.9	39.6	5.0	74	42	3	19	1	248	77	–	–
December	20.9	10.4	27.3	6.9	32.5	3.5	72	46	7	21	2	198	65	–	–
Year	28.3	15.7	44.1*	4.5*	47.8	1.2	68	35	25	21	12	3451	77	–	–
No. of Years	29	29	22	22	22	22	21	21	29	22	22	7	7	–	–

Daedalus 24°55′N 35°52′E 4 m

Period 1941–55 Bibliography 33, 35	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.4	20.5	27.4	17.9	28.9	15.7	65	63	1	0	0	–	–	–	–
February	24.3	20.1	27.3	17.1	29.5	14.2	64	62	1	7	< 1	–	–	–	–
March	25.3	20.9	28.9	18.8	32.4	17.0	68	63	< 1	4	< 1	–	–	–	–
April	27.3	22.5	30.5	20.8	35.0	19.5	71	67	1	0	0	–	–	–	–
May	29.8	24.9	33.0	22.7	34.9	21.1	72	69	1	9	< 1	–	–	–	–
June	31.0	26.1	33.1	25.3	35.0	23.2	70	68	0	0	0	–	–	–	–
July	32.8	27.3	35.8	26.0	38.1	25.4	72	69	0	0	0	–	–	–	–
August	33.6	28.3	36.4	26.9	40.1	25.9	71	68	0	0	0	–	–	–	–
September	31.6	27.1	34.1	26.0	36.5	23.9	72	69	0	0	0	–	–	–	–
October	30.3	26.2	32.7	24.5	33.4	22.4	74	71	< 1	1	< 1	–	–	–	–
November	28.2	23.8	32.7	21.6	36.0	19.6	69	64	5	39	< 1	–	–	–	–
December	25.2	21.5	28.6	19.0	29.5	16.5	65	62	3	7	1	–	–	–	–
Year	28.7	24.1	37.3*	16.2*	40.1	14.2	69	66	12	39	1	–	–	–	–
No. of Years	15	15	7	7	7	7	11	11	15	7	7	–	–	–	–

*Average of highest/lowest each year

EGYPT

Dakhla 25°29′N 29°00E 111 m

Period 1941–70 Bibliography 33, 35, 36	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	21.7	4.1	30.1	−0.9	39.8	−4.0	56	28	< 1	5	< 1	–	–	–	–
February	24.2	5.8	32.4	0.3	40.5	−2.7	49	24	< 1	8	< 1	–	–	–	–
March	28.0	9.3	37.5	3.7	43.4	−2.8	40	19	0	0	0	–	–	–	–
April	32.6	13.8	41.7	6.7	47.3	2.1	32	14	< 1	5	< 1	–	–	–	–
May	36.6	19.1	44.3	11.9	47.7	7.0	28	14	0	3	< 1	–	–	–	–
June	38.5	22.4	44.8	16.9	49.5	13.0	32	17	0	0	0	–	–	–	–
July	38.4	22.7	43.2	18.5	46.5	15.9	30	16	0	0	0	–	–	–	–
August	38.4	22.2	43.0	18.1	46.0	15.2	35	17	0	0	0	–	–	–	–
September	35.6	20.2	41.2	15.7	45.2	11.0	41	20	0	0	0	–	–	–	–
October	32.8	16.6	39.0	10.4	43.2	7.7	49	25	< 1	1	< 1	–	–	–	–
November	27.5	11.1	34.8	5.4	40.5	1.6	56	31	0	0	0	–	–	–	–
December	23.0	5.9	30.5	0.6	35.2	−2.2	60	32	< 1	1	< 1	–	–	–	–
Year	31.4	14.4	46.4*	−1.4*	49.5	−4.0	39	21	< 1	8	< 1	–	–	–	–
No. of Years	30	30	22	22	22	22	18	18	30	22	21	–	–	–	–

El Tûr (formerly Tor) 28°14′N 33°37′E 4 m

Period 1941–67 Bibliography 35, 36, 37, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	21.4	9.0	26.1	5.0	29.8	2.6	57	52	1	7	1	–	–	–	–
February	22.0	9.8	27.1	5.4	31.8	1.8	50	50	1	7	1	–	–	–	–
March	24.2	12.6	30.5	7.5	35.9	4.0	49	48	1	22	< 1	–	–	–	–
April	28.0	16.7	34.8	10.5	38.7	8.5	57	49	< 1	3	< 1	–	–	–	–
May	31.4	20.4	39.3	14.7	43.5	13.2	60	46	< 1	6	< 1	–	–	–	–
June	33.5	23.3	39.5	19.4	45.2	17.5	67	51	0	0	0	–	–	–	–
July	34.8	24.3	40.1	21.1	42.5	19.8	69	50	0	0	0	–	–	–	–
August	35.0	25.1	39.9	21.3	43.0	20.0	67	53	0	0	0	–	–	–	–
September	31.8	22.8	36.4	18.5	39.8	15.8	63	60	0	0	0	–	–	–	–
October	29.8	18.5	33.8	14.7	38.8	12.7	57	60	< 1	2	< 1	–	–	–	–
November	26.7	14.6	31.4	10.3	35.2	7.0	52	57	< 1	1	< 1	–	–	–	–
December	23.0	10.9	26.9	6.8	29.6	4.8	58	52	5	11	1	–	–	–	–
Year	28.5	17.3	41.4*	4.4*	45.2	1.8	59	52	8	22	3	–	–	–	–
No. of Years	25	24	20	18	20	18	17	17	26	18	17	–	–	–	–

Helwan 29°52′N 31°20′E 141 m

Period 1941–63 Bibliography 33, 34, 35, 36, 37, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.9	8.7	24.9	4.4	30.0	2.4	66	40	3	5	2	238	71	–	–
February	20.3	9.3	27.0	5.1	34.1	2.8	65	34	5	16	2	243	78	–	–
March	23.4	11.2	32.7	6.5	39.5	2.9	59	28	3	12	2	282	75	–	–
April	28.1	14.1	37.1	9.0	41.6	6.0	56	23	< 1	1	< 1	317	81	–	–
May	32.5	18.4	41.0	12.8	46.5	9.2	49	20	4	27	1	350	83	–	–
June	34.5	20.6	42.0	17.2	46.7	15.1	57	22	0	0	0	385	92	–	–
July	35.2	21.5	40.4	19.2	45.1	18.0	67	26	0	0	0	387	90	–	–
August	35.1	22.2	39.2	19.8	42.6	17.9	69	27	0	0	0	373	91	–	–
September	32.2	20.3	37.5	17.1	40.3	14.4	70	32	0	0	0	329	88	–	–
October	29.8	18.5	35.5	14.4	42.4	11.4	65	31	1	5	< 1	300	84	–	–
November	25.3	14.9	32.3	10.5	37.2	5.2	69	38	3	9	1	256	80	–	–
December	20.3	10.6	26.4	6.5	31.2	4.4	69	43	9	27	3	221	70	–	–
Year	28.0	15.9	43.8*	3.7*	46.7	2.4	63	30	28	27	11	3681	82	–	–
No. of Years	23	23	17	17	17	17	22	22	23	15	14	7	7	–	–

---

*Average of highest/lowest each year

EGYPT

Luxor 25°40′N 32°42′E 89 m

Period 1941–70 Bibliography 33, 34, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.2	5.6	29.1	1.6	32.0	−0.3	59	38	< 1	2	< 1	–	–	–	–
February	25.4	7.0	32.1	2.5	38.6	1.0	53	32	< 1	< 1	< 1	–	–	–	–
March	29.2	10.8	37.9	5.7	42.2	2.5	42	23	< 1	< 1	< 1	–	–	–	–
April	35.1	15.5	42.4	9.6	46.3	6.5	33	18	< 1	2	< 1	–	–	–	–
May	39.1	20.2	45.6	14.6	48.5	11.1	28	15	< 1	1	< 1	–	–	–	–
June	41.3	22.5	46.1	18.8	48.6	15.2	29	15	0	0	0	–	–	–	–
July	40.7	23.4	45.1	20.5	48.3	19.0	31	17	0	0	0	–	–	–	–
August	41.0	23.5	45.1	20.7	48.2	19.4	31	17	< 1	1	< 1	–	–	–	–
September	38.6	21.5	42.8	18.2	46.8	14.2	41	21	< 1	1	< 1	–	–	–	–
October	35.4	17.7	40.3	12.8	45.1	9.8	45	28	< 1	1	< 1	–	–	–	–
November	30.2	12.4	35.7	8.1	41.0	3.7	52	32	< 1	1	< 1	–	–	–	–
December	24.9	7.2	30.8	3.7	32.6	1.2	60	39	0	0	0	–	–	–	–
Year	33.7	15.6	47.1*	1.7*	48.6	−0.3	42	25	< 1	2	< 1	–	–	–	–
No. of Years	29	29	22	22	22	22	18	18	29	22	21	–	–	–	–

Marsa Matrûh 31°20′N 27°13′E 30 m

Period 1945–70 Bibliography 33, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.1	8.5	22.9	4.8	27.6	1.4	73	49	28	25	8	208	65	–	–
February	18.9	8.6	25.5	4.7	31.8	2.6	70	50	16	26	5	212	68	–	–
March	20.4	10.2	30.4	6.2	39.5	4.7	67	50	11	12	3	251	67	–	–
April	22.8	12.2	34.8	7.9	39.7	6.3	65	52	2	6	2	281	72	–	–
May	25.4	14.9	36.4	10.6	45.2	7.7	63	54	3	20	1	327	77	–	–
June	28.1	18.6	37.7	14.7	45.4	11.7	67	61	2	47	< 1	352	83	–	–
July	29.0	20.5	32.7	17.7	41.8	16.0	73	64	0	0	0	376	87	–	–
August	29.8	21.1	34.7	18.2	44.2	16.0	72	62	0	0	0	369	85	–	–
September	28.7	19.8	34.5	16.6	38.5	13.0	70	60	1	9	1	327	85	–	–
October	26.8	17.2	33.2	13.4	39.2	11.3	70	56	18	55	4	267	75	–	–
November	23.6	13.8	29.3	10.1	35.5	7.7	72	55	27	75	5	255	77	–	–
December	19.6	10.0	25.5	6.3	29.3	4.0	73	51	27	53	5	199	63	–	–
Year	24.3	14.6	41.1*	3.8*	45.4	1.4	70	55	135	75	34	3424	75	–	–
No. of Years	26	25-	18	18	18	18	18	18	26	18	17	8	8	–	–

Port Said 31°17′N 32°14′E 6 m

Period 1941–70 Bibliography 33, 34, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.4	11.2	23.0	7.5	26.3	4.4	76	61	12	12	7	215	67	–	–
February	19.1	11.8	24.6	8.4	32.5	6.0	74	61	11	13	5	222	71	–	–
March	20.7	13.6	28.4	10.2	35.0	7.7	71	59	8	9	5	250	67	–	–
April	22.9	16.0	31.9	12.5	41.8	9.1	69	63	3	23	1	269	69	–	–
May	26.0	19.2	33.2	15.6	45.0	11.7	68	63	3	19	1	327	77	–	–
June	28.8	22.3	35.4	20.2	40.4	17.7	69	64	< 1	< 1	< 1	347	82	–	–
July	30.7	23.8	33.8	22.1	38.0	20.3	72	64	0	0	0	361	75	–	–
August	31.1	24.5	34.1	22.9	36.9	21.5	73	64	< 1	< 1	< 1	349	85	–	–
September	29.7	23.4	32.3	21.5	35.9	19.4	70	61	< 1	5	< 1	314	85	–	–
October	27.6	21.5	30.4	17.7	37.0	14.4	70	61	7	40	3	287	81	–	–
November	24.3	18.3	28.2	13.9	35.3	10.3	73	62	9	14	3	250	78	–	–
December	20.1	13.3	24.5	9.8	26.6	6.6	76	62	18	48	5	219	69	–	–
Year	24.9	18.2	37.3*	6.9*	45.0	4.4	72	62	71	48	30	3410	75	–	–
No. of Years	30	30	20	20	20	20	18	18	30	20	18	11	11	–	–

---

*Average of highest/lowest each year

EGYPT

Quseir 26°08′N 34°18′E 11 m

Period 1941–70 Bibliography 33, 34, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	22.4	14.0	27.2	10.0	32.8	7.2	53	53	0	0	0	–	–	–	–
February	22.9	14.2	27.1	10.8	32.2	6.5	53	49	< 1	1	< 1	–	–	–	–
March	24.6	16.3	31.0	12.4	28.3	7.8	43	51	< 1	< 1	< 1	–	–	–	–
April	27.0	19.5	32.8	15.6	42.6	12.7	45	56	< 1	1	< 1	–	–	–	–
May	29.9	22.7	36.0	18.8	41.4	16.0	45	56	< 1	1	< 1	–	–	–	–
June	32.1	26.8	36.4	22.8	41.0	20.8	48	54	0	0	0	–	–	–	–
July	32.8	26.1	36.1	23.6	41.9	21.8	49	58	0	0	0	–	–	–	–
August	33.4	26.6	36.1	24.5	38.4	23.1	45	57	0	0	0	–	–	–	–
September	31.7	25.1	34.9	22.5	38.3	19.3	51	59	0	0	0	–	–	–	–
October	29.7	22.4	32.7	19.3	36.3	17.0	50	59	1	15	< 1	–	–	–	–
November	27.0	19.3	30.7	15.5	34.0	11.2	49	55	1	20	< 1	–	–	–	–
December	23.8	15.6	27.4	12.2	30.6	9.3	54	53	< 1	4	< 1	–	–	–	–
Year	28.1	20.7	38.3*	9.2*	42.6	6.5	49	55	2	20	< 1	–	–	–	–
No. of Years	30	30	22	22	22	22	18	18	30	22	21	–	–	–	–

Salûm 31°32′N 25°11′E 6 m

Period 1945–70 Bibliography 33, 35, 36, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.8	9.2	23.3	5.8	27.0	2.6	70	48	16	67	7	–	–	–	–
February	19.8	9.9	27.5	6.2	32.4	4.0	65	45	11	44	4	–	–	–	–
March	21.4	11.2	32.0	7.9	41.1	5.6	62	44	10	14	3	–	–	–	–
April	23.7	13.6	35.4	9.9	41.7	8.0	62	50	3	27	2	–	–	–	–
May	26.1	16.6	37.1	12.9	44.2	10.5	61	51	3	19	2	–	–	–	–
June	30.0	19.8	40.5	17.0	47.3	15.0	61	49	< 1	7	< 1	–	–	–	–
July	30.9	21.4	36.6	19.1	44.1	18.0	67	53	0	0	0	–	–	–	–
August	31.1	21.8	37.6	19.9	47.2	18.0	68	54	0	0	0	–	–	–	–
September	29.3	20.4	34.6	17.8	41.9	15.4	69	57	2	12	1	–	–	–	–
October	27.3	17.9	34.5	14.5	39.8	12.2	68	56	17	33	4	–	–	–	–
November	24.4	15.0	30.4	11.2	34.9	8.1	67	48	16	121	3	–	–	–	–
December	20.5	10.9	26.1	7.5	32.0	5.0	69	49	18	37	4	–	–	–	–
Year	25.3	15.6	43.4*	4.9*	47.3	2.6	66	50	96	121	30	–	–	–	–
No. of Years	26	26	18	18	18	18	18	18	25	18	17	–	–	–	–

Siwa 29°12′N 25°29′E −13 m

Period 1941–70 Bibliography 35, 36, 37, 38	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	19.7	4.9	24.9	0.3	29.8	−4.7	72	42	1	4	1	–	–	–	–
February	21.7	6.1	29.0	1.1	35.0	−1.3	67	36	3	21	1	–	–	–	–
March	24.9	8.7	34.7	3.7	41.6	−0.2	59	28	< 1	3	< 1	–	–	–	–
April	29.8	12.6	39.2	6.9	44.0	3.8	55	26	1	7	< 1	–	–	–	–
May	34.1	16.9	42.9	11.5	48.0	8.3	50	22	2	23	1	–	–	–	–
June	37.4	19.9	43.9	16.1	47.9	11.3	53	23	< 1	< 1	< 1	–	–	–	–
July	37.6	20.9	42.4	17.8	47.5	13.7	63	25	< 1	< 1	< 1	–	–	–	–
August	37.5	20.9	41.9	17.7	46.2	15.1	66	26	0	0	0	–	–	–	–
September	34.7	18.6	39.7	15.1	42.4	11.7	65	32	< 1	2	< 1	–	–	–	–
October	31.1	15.1	36.8	10.1	40.7	7.3	64	34	1	7	< 1	–	–	–	–
November	26.1	10.4	31.9	5.3	40.8	0.8	68	39	1	16	< 1	–	–	–	–
December	21.1	6.6	26.6	1.2	31.0	−1.7	74	45	2	8	1	–	–	–	–
Year	29.6	13.5	45.3*	−0.3*	48.0	−4.7	63	31	11	23	4	–	–	–	–
No. of Years	29	29	24	24	24	24	17	17	29	22	21	–	–	–	–

*Average of highest/lowest each year

Suez $29^{o}56'$N $32^{o}33'$E 11 m

Period 1941–63	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 33, 34, 35, 36, 38	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	20.7	8.5	25.2	4.4	29.0	1.0	73	46	3	8	1	–	–	–	–
February	21.7	8.9	27.0	4.9	32.9	3.4	67	41	6	12	1	–	–	–	–
March	24.4	11.0	31.3	6.7	34.6	3.7	64	35	2	11	1	–	–	–	–
April	28.2	13.8	35.5	9.3	38.6	6.9	61	32	1	4	0	–	–	–	–
May	32.8	18.1	40.5	12.9	43.8	9.0	56	29	2	29	< 1	–	–	–	–
June	35.1	20.3	40.9	17.1	44.3	13.9	62	28	0	0	0	–	–	–	–
July	36.5	22.0	40.8	19.6	44.4	17.8	67	32	0	0	0	–	–	–	–
August	36.4	22.4	40.4	20.0	43.4	17.7	70	32	1	14	< 1	–	–	–	–
September	33.6	20.4	38.9	17.3	41.4	13.9	72	37	< 1	3	< 1	–	–	–	–
October	31.1	18.2	36.7	14.1	42.6	11.4	72	39	3	5	1	–	–	–	–
November	26.8	14.4	32.6	10.1	41.1	6.6	73	45	2	5	< 1	–	–	–	–
December	22.1	10.1	27.3	6.1	34.0	3.2	73	48	7	12	1	–	–	–	–
Year	29.1	15.7	42.7*	3.7*	44.4	1.0	67	37	27	29	5	–	–	–	–
No. of Years	23	23	15	15	15	15	18	18	23	15	14	–	–	–	–

*Average of highest/lowest each year

EQUATORIAL GUINEA

Bata 01°51′N 09°49′E 2 m

Period 1954–66 Bibliography 39	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.4	20.9	31.2	18.3	34.2	15.3	96	81	116	90	9	199	53	–	–
February	31.0	20.4	32.8	17.6	35.6	13.7	96	78	102	132	8	190	55	–	–
March	31.1	20.2	33.1	17.6	38.8	14.5	96	78	205	116	14	166	42	–	–
April	31.0	20.1	33.1	17.7	37.0	12.6	96	80	292	108	16	176	45	–	–
May	30.3	20.7	32.1	17.4	33.2	12.5	96	80	285	135	17	184	44	–	–
June	29.6	19.9	31.3	17.2	32.8	15.0	95	80	90	190	7	146	38	–	–
July	28.7	19.0	30.6	16.7	31.8	12.5	94	77	25	58	3	142	35	–	–
August	28.8	19.4	30.5	16.6	31.5	14.0	95	78	26	43	5	139	34	–	–
September	29.1	19.8	30.9	17.3	32.5	15.0	95	81	221	205	16	111	29	–	–
October	29.1	20.3	31.0	17.5	32.0	15.0	96	85	457	201	24	115	29	–	–
November	29.6	20.4	31.2	18.2	32.4	14.5	96	83	306	187	18	147	40	–	–
December	30.1	20.7	31.4	17.5	33.0	14.5	96	83	109	109	10	184	46	–	–
Year	29.9	20.1	34.3*	15.3*	38.8	12.5	96	80	2234	205	147	1899	41	–	–
No. of Years	13	13	13	13	13	13	13	13	13	13	15	13	13	–	–

Malabo (formerly Santa Isabel) 03°46′N 08°46′E 50 m

Period 1954–68 Bibliography 39	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.1	20.3	31.8	18.7	32.7	17.0	94	79	39	60	4	130	34	–	–
February	31.2	20.7	33.5	18.5	35.3	16.5	93	78	34	71	4	129	36	–	–
March	30.9	20.9	33.2	19.0	34.0	15.5	93	79	118	59	11	100	25	–	–
April	30.5	21.2	32.4	19.2	34.0	16.5	93	82	186	59	15	115	29	–	–
May	29.8	21.7	31.8	19.4	32.6	15.0	94	83	179	77	18	106	25	–	–
June	28.6	21.0	30.9	19.3	32.0	18.0	95	85	223	91	19	66	16	–	–
July	27.4	20.6	29.5	18.8	31.0	17.1	94	87	263	217	19	47	10	–	–
August	27.7	20.5	29.8	18.4	30.5	15.0	95	88	181	119	17	53	13	–	–
September	27.9	20.8	29.9	18.9	31.0	18.0	95	88	262	88	22	47	11	–	–
October	28.3	21.1	30.3	19.3	31.0	17.6	95	87	231	108	19	66	16	–	–
November	29.2	21.1	30.8	19.7	31.7	18.5	95	86	92	60	11	85	22	–	–
December	29.8	21.0	31.4	19.1	32.5	17.0	94	83	30	67	4	123	33	–	–
Year	29.4	20.9	33.8*	16.9*	35.3	15.0	94	84	1838	217	163	1067	23	–	–
No. of Years	13	13-	13	13	13	13	13	13	13	12	15	13	13	–	–

---

*Average of highest/lowest each year

ETHIOPIA

Addis Ababa 09°02′N 34°45′E 2408 m

Period 1941–70 Bibliography 33, 40, 41, 42, 43, 45,46	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						per cent		millimetres			hours		hours	
January	22.9	5.8	25.9	1.1	26.8	−2.1	80	38	13	36	3	–	–	–	–
February	23.6	6.9	26.1	3.5	27.8	−0.1	82	47	35	38	5	–	–	–	–
March	24.6	8.7	26.6	3.5	28.7	−4.0	81	45	67	79	10	–	–	–	–
April	24.3	9.8	26.7	6.7	29.6	3.5	86	47	91	65	12	–	–	–	–
May	25.0	9.3	27.3	6.8	29.5	1.5	76	39	81	43	10	–	–	–	–
June	22.9	9.7	27.0	6.8	28.5	4.2	87	52	117	49	20	–	–	–	–
July	20.3	10.7	24.5	8.2	27.2	6.5	91	65	247	67	27	–	–	–	–
August	20.2	10.5	23.8	7.8	25.0	7.0	92	67	255	57	28	–	–	–	–
September	21.0	9.7	23.9	6.2	25.0	4.0	90	58	167	43	21	–	–	–	–
October	22.1	6.9	24.5	2.6	25.0	1.5	81	40	29	48	7	–	–	–	–
November	22.5	4.8	24.3	1.3	25.6	0.0	82	40	8	34	2	–	–	–	–
December	22.4	4.5	24.4	−0.7	25.4	−1.6	81	33	5	44	1	–	–	–	–
Year	22.7	8.1	28.0*	−1.4*	29.6	−4.0	84	48	1115	79	146	–	–	–	–
No. of Years	18	18	6	7	18	18	6	6	26	21	21	–	–	–	–

Asmera (Asmara) 15°17′N 38°55′E 2325 m

Period 1941–70 Bibliography 40, 41, 45, 46	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						per cent		millimetres			hours		hours	
January	22.7	5.9	24.7	0.3	25.5	−1.0	65	35	1	6	1	–	–	–	–
February	23.8	7.1	26.5	2.2	28.0	0.0	66	31	1	10	1	–	–	–	–
March	25.1	9.0	27.3	2.6	28.2	1.0	59	28	11	30	5	–	–	–	–
April	25.2	10.3	27.7	4.6	28.7	1.6	66	31	27	24	7	–	–	–	–
May	25.4	11.3	27.3	6.9	28.0	4.2	63	31	43	63	7	–	–	–	–
June	25.6	11.5	27.3	7.3	28.0	4.6	63	31	37	47	7	–	–	–	–
July	19.7	11.9	24.6	9.0	26.1	8.0	91	64	158	70	21	–	–	–	–
August	19.5	11.8	24.3	8.4	26.3	6.0	94	64	138	87	19	–	–	–	–
September	25.0	10.2	24.6	5.5	25.4	4.6	75	36	24	42	6	–	–	–	–
October	22.1	8.9	24.0	5.3	25.0	4.0	72	48	10	21	3	–	–	–	–
November	22.9	8.6	23.7	3.5	25.1	0.6	78	41	15	32	4	–	–	–	–
December	21.6	6.8	24.2	0.4	25.8	0.0	73	34	4	16	3	–	–	–	–
Year	23.2	9.4	28.2*	0.0*	28.7	−1.0	72	39	469	87	84	–	–	–	–
No. of Years	18	18	7	7	7	7	6	6	26	28	26	–	–	–	–

Āseb (Assab) 13°01′N 42°43′E 11 m

Period 1949–70 Bibliography 40, 41, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	31.2	20.4	33.6	17.4	36.6	11.0	71	53	5	18	1	–	–	–	–
February	31.4	20.3	34.5	17.4	36.4	7.2	75	58	4	30	1	–	–	–	–
March	33.9	22.8	37.1	18.8	38.5	14.0	71	54	1	0	0	–	–	–	–
April	35.9	25.1	39.7	20.5	41.2	17.0	68	47	1	0	0	–	–	–	–
May	37.3	27.0	41.3	23.4	42.0	20.0	66	50	< 1	2	< 1	–	–	–	–
June	38.0	28.6	41.9	25.1	43.2	22.0	61	53	< 1	3	< 1	–	–	–	–
July	40.4	30.3	41.9	25.4	44.0	22.2	54	41	14	42	1	–	–	–	–
August	39.1	29.5	42.1	24.9	42.6	16.6	57	45	2	12	0	–	–	–	–
September	37.1	26.9	40.2	23.5	42.0	20.5	72	55	2	7	< 1	–	–	–	–
October	36.4	25.5	39.2	21.7	40.8	17.0	65	46	< 1	0	0	–	–	–	–
November	34.3	24.7	36.5	21.5	37.4	17.0	69	46	1	0	< 1	–	–	–	–
December	32.0	22.4	33.7	20.0	34.2	19.4	72	51	15	0	0	–	–	–	–
Year	35.6	25.3	43.5*	12.6*	44.0	7.2	67	50	45	42	3	–	–	–	–
No. of Years	8	8	8	8	8	8	6	6	16	8	8	–	–	–	–

*Average of highest/lowest each year

ETHIOPIA

Awash 08°59′N 40°09′E 900 m

Period 1952–70 Bibliography 40, 41, 43, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.6	13.0	33.4	8.9	34.5	0.0	71	44	28	69	3	–	–	–	–
February	31.0	17.0	35.2	13.3	38.0	11.4	77	52	47	92	6	–	–	–	–
March	31.9	17.9	36.1	13.7	38.4	10.0	79	47	49	49	5	–	–	–	–
April	33.5	19.6	37.3	16.6	40.0	14.2	77	46	42	41	6	–	–	–	–
May	35.8	20.5	38.4	16.8	39.9	16.0	65	32	21	24	4	–	–	–	–
June	36.7	21.7	38.9	18.1	39.9	17.0	59	33	39	30	7	–	–	–	–
July	33.8	20.2	37.5	17.0	39.6	16.0	74	46	126	52	10	–	–	–	–
August	32.5	18.9	35.1	16.3	36.0	14.6	80	53	168	92	12	–	–	–	–
September	33.6	18.0	35.9	16.1	37.0	9.6	76	41	55	37	11	–	–	–	–
October	33.5	16.5	35.4	13.4	37.0	5.0	68	33	19	49	3	–	–	–	–
November	31.5	14.6	34.0	10.8	34.6	4.8	64	34	11	24	2	–	–	–	–
December	30.6	13.9	32.6	10.6	33.6	8.5	65	37	5	37	1	–	–	–	–
Year	32.9	17.7	39.4*	8.1*	40.0	0.0	71	41	610	92	70	–	–	–	–
No. of Years	7	6	7	6	7	6	6	6	15	13	14	–	–	–	–

Bahir Dar 11°35′N 37°22′E 1840 m

Period 1955–70 Bibliography 40, 41, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.6	4.7	28.3	0.3	28.7	−2.5	82	43	1	5	< 1	–	–	–	–
February	26.8	7.5	29.6	4.3	31.5	0.5	79	37	1	5	< 1	–	–	–	–
March	28.6	10.8	31.2	5.8	32.5	3.8	75	36	17	23	3	–	–	–	–
April	29.1	11.9	31.5	6.4	33.0	5.0	72	36	33	54	3	–	–	–	–
May	28.8	13.3	31.4	8.9	33.3	6.6	78	41	70	102	7	–	–	–	–
June	26.6	13.3	29.9	10.4	32.4	10.0	91	55	122	95	12	–	–	–	–
July	23.7	13.7	25.5	11.6	26.4	11.0	96	68	432	110	27	–	–	–	–
August	23.3	13.5	25.3	11.7	25.9	10.8	97	70	355	200	27	–	–	–	–
September	24.6	12.6	26.7	10.5	27.0	9.5	97	64	189	65	20	–	–	–	–
October	25.3	12.2	26.9	9.4	27.3	6.4	96	54	97	44	11	–	–	–	–
November	25.6	9.8	27.3	5.7	29.0	4.0	94	47	34	39	5	–	–	–	–
December	25.8	5.5	27.6	1.8	29.0	0.6	88	41	2	13	< 1	–	–	–	–
Year	26.1	10.7	32.0*	−0.1*	33.3	−2.5	87	49	1353	200	115	–	–	–	–
No. of Years	7	7	7	7	7	7	6	6	10	9	7	–	–	–	–

Dirē Dawa 09°43′N 41°52′E 1160 m

Period 1952–70 Bibliography 40, 41, 42, 45, 47	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.2	15.1	30.6	11.3	38.8	8.9	69	44	25	63	4	–	–	–	–
February	29.1	15.7	33.4	12.5	42.0	9.5	78	51	54	69	5	–	–	–	–
March	31.2	18.3	33.7	13.6	42.0	9.0	70	45	58	42	6	–	–	–	–
April	31.8	19.3	34.6	15.6	37.0	11.0	72	47	93	57	11	–	–	–	–
May	34.1	20.3	36.1	16.9	38.7	12.1	57	32	13	34	3	–	–	–	–
June	35.0	21.3	36.6	18.3	38.4	16.3	57	34	27	30	7	–	–	–	–
July	32.4	19.1	36.1	16.3	37.3	13.0	62	37	94	53	13	–	–	–	–
August	31.2	18.5	33.8	15.6	37.3	13.0	66	45	155	53	15	–	–	–	–
September	32.5	19.1	33.9	16.6	37.0	10.5	61	37	65	67	10	–	–	–	–
October	32.6	17.9	34.0	14.0	35.7	8.5	59	29	10	25	2	–	–	–	–
November	30.8	15.5	31.7	11.4	36.6	7.6	65	35	19	48	2	–	–	–	–
December	28.6	14.0	29.7	10.7	38.0	9.5	65	35	9	52	3	–	–	–	–
Year	31.5	17.8	37.7*	10.2*	42.0	7.6	65	39	622	69	81	–	–	–	–
No. of Years	19	19	9	9	19	19	6	6	15	14	14	–	–	–	–

---

*Average of highest/lowest each year

ETHIOPIA

Gore 08°10′N 35°33′E 2002 m

Period 1952–70 Bibliography 40, 41, 43, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	24.2	13.3	26.3	11.0	27.0	10.0	71	51	40	82	4	–	–	–	–
February	25.1	14.2	27.3	11.5	28.6	11.3	70	50	56	70	7	–	–	–	–
March	25.1	14.2	27.4	11.2	27.8	10.8	77	51	107	53	13	–	–	–	–
April	24.8	15.2	27.6	11.9	28.8	10.8	82	56	154	60	14	–	–	–	–
May	23.3	14.1	25.7	10.8	26.4	10.0	87	68	267	104	18	–	–	–	–
June	21.4	12.3	23.8	10.6	24.4	9.6	92	75	368	67	24	–	–	–	–
July	20.2	12.4	22.3	11.4	23.0	11.2	93	79	375	108	27	–	–	–	–
August	20.1	12.3	22.8	11.0	23.5	10.5	93	80	371	78	27	–	–	–	–
September	21.4	12.1	23.0	11.8	23.2	10.0	91	73	356	85	27	–	–	–	–
October	22.2	12.5	24.1	11.0	24.5	10.0	89	67	191	71	20	–	–	–	–
November	22.5	12.8	23.7	11.5	24.3	10.3	81	61	111	70	11	–	–	–	–
December	23.7	13.3	25.1	11.1	26.0	10.4	75	52	56	62	7	–	–	–	–
Year	22.8	13.2	28.8*	10.0*	28.8	9.6	83	64	2452	108	199	–	–	–	–
No. of Years	6	6	6	6	6	6	5	5	15	14	15	–	–	–	–

Jimā (Jimma) 07°40′N 36°48′E 1740 m

Period 1952–70 Bibliography 40, 41, 45, 47	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.7	7.1	31.2	3.2	38.0	−3.0	97	45	35	23	7	–	–	–	–
February	28.9	9.2	30.1	4.1	32.3	−0.2	96	49	57	57	9	–	–	–	–
March	29.1	10.7	30.1	6.5	34.7	0.0	96	50	96	55	13	–	–	–	–
April	28.9	11.6	30.0	7.7	32.5	1.0	97	55	151	52	16	–	–	–	–
May	28.0	11.8	29.3	8.9	34.7	5.4	98	57	137	56	15	–	–	–	–
June	25.8	12.6	27.3	10.2	31.1	9.0	97	64	234	47	21	–	–	–	–
July	23.8	12.7	26.3	11.4	27.8	9.0	98	71	224	58	24	–	–	–	–
August	24.3	12.9	26.9	10.1	28.4	8.0	96	71	213	55	24	–	–	–	–
September	25.6	12.7	27.3	9.7	31.6	6.0	98	63	179	53	21	–	–	–	–
October	26.7	10.9	28.1	6.8	30.0	4.4	99	52	83	43	11	–	–	–	–
November	27.2	7.4	28.1	3.5	30.6	−1.5	99	49	36	34	6	–	–	–	–
December	28.1	5.6	28.7	1.3	31.2	−1.3	98	41	20	37	4	–	–	–	–
Year	27.1	10.4	32.1*	−0.6*	38.0	−3.0	97	56	1465	57	171	–	–	–	–
No. of Years	18	18	18	18	18	18	6	6	15	15	15	–	–	–	–

Kembolcha 11°05′N 39°45′E 1864 m

Period 1952–59 1965–70 Bibliography 40, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.9	9.0	26.3	5.1	27.5	3.0	76	49	27	33	5	–	–	–	–
February	24.0	11.1	27.3	7.1	30.4	4.0	82	55	51	57	6	–	–	–	–
March	25.3	11.9	28.3	8.5	29.8	6.0	81	53	93	65	10	–	–	–	–
April	25.6	13.1	28.1	10.7	29.5	9.5	85	55	103	51	11	–	–	–	–
May	28.2	13.4	31.1	10.5	32.2	10.0	66	39	28	37	5	–	–	–	–
June	30.4	14.7	32.1	11.5	33.2	9.4	60	36	26	30	6	–	–	–	–
July	27.5	14.1	31.1	11.5	34.0	10.1	80	51	284	59	24	–	–	–	–
August	26.0	13.8	28.2	11.9	29.0	10.5	87	57	285	59	24	–	–	–	–
September	25.4	13.1	27.6	10.7	28.6	10.0	81	54	130	57	15	–	–	–	–
October	24.5	10.5	26.3	7.6	27.0	6.5	82	52	39	44	6	–	–	–	–
November	23.5	8.9	25.7	5.3	26.0	4.7	85	55	17	35	3	–	–	–	–
December	23.8	7.7	26.1	3.3	27.4	1.4	78	50	11	24	3	–	–	–	–
Year	25.7	11.8	32.2*	2.9*	34.0	1.4	79	51	1094	65	118	–	–	–	–
No. of Years	6	6	6	6	6	6	6	6	14	14	14	–	–	–	–

*Average of highest/lowest each year

ETHIOPIA

Mak'alē (Makalle) $13^{o}31'$N $39^{o}30'$E 2130 m

Period 1954–70 Bibliography 36, 43, 44, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	24.4	9.1	27.6	5.6	28.4	4.2	73	37	6	15	2	–	–	–	–
February	25.6	10.0	28.3	7.1	31.0	6.9	70	34	2	6	1	–	–	–	–
March	26.1	11.5	28.9	7.1	29.9	6.0	64	35	46	50	4	–	–	–	–
April	26.8	13.5	29.5	10.4	30.5	9.0	69	38	35	34	4	–	–	–	–
May	28.0	14.5	30.3	11.2	31.1	9.4	58	30	11	18	3	–	–	–	–
June	28.6	13.9	31.2	11.5	32.0	11.0	63	29	33	39	7	–	–	–	–
July	23.8	12.9	28.1	10.5	30.0	9.2	89	62	215	49	21	–	–	–	–
August	23.1	12.4	25.8	10.1	26.9	9.1	91	64	219	50	22	–	–	–	–
September	25.6	11.4	27.1	9.1	27.9	8.1	84	44	34	33	5	–	–	–	–
October	25.2	11.9	27.0	8.4	28.3	7.1	73	38	0	0	0	–	–	–	–
November	23.7	9.7	26.6	6.0	27.2	2.6	75	37	2	8	1	–	–	–	–
December	23.9	8.7	27.0	4.0	28.2	2.6	77	34	< 1	2	1	–	–	–	–
Year	25.4	11.6	31.2*	3.4*	32.0	2.6	74	40	603	50	71	–	–	–	–
No. of Years	6	6	6	6	6	6	5	5	10	10	10	–	–	–	–

Mits'iwa (Massawa) $15^{o}36'$N $39^{o}28'$E 5 m

Period 1949–55 1961–70 Bibliography 40, 41, 44, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.5	19.8	32.7	16.5	35.0	10.0	84	69	26	37	3	–	–	–	–
February	29.0	20.2	33.3	17.3	36.4	10.0	83	69	27	71	2	–	–	–	–
March	31.7	21.1	36.6	17.7	40.0	13.0	79	65	12	10	1	–	–	–	–
April	33.4	23.4	38.4	19.4	40.6	14.0	79	63	6	18	1	–	–	–	–
May	36.1	26.1	41.7	22.7	44.2	16.0	79	55	6	26	1	–	–	–	–
June	40.2	27.2	44.3	23.9	46.0	20.0	63	40	0	0	0	–	–	–	–
July	40.3	29.3	44.7	24.8	46.7	17.6	60	46	12	1	< 1	–	–	–	–
August	40.2	28.9	43.8	25.3	45.0	21.8	65	48	4	10	< 1	–	–	–	–
September	38.6	27.2	42.9	24.9	45.0	19.5	69	50	2	0	0	–	–	–	–
October	35.6	24.0	37.7	19.4	38.5	14.9	74	59	28	47	2	–	–	–	–
November	33.3	21.0	36.3	18.3	38.0	15.0	81	63	35	85	3	–	–	–	–
December	30.7	20.3	32.9	16.5	34.4	12.6	86	68	49	21	3	–	–	–	–
Year	34.9	24.0	45.3*	14.4*	46.7	10.0	75	58	207	85	16	–	–	–	–
No. of Years	7	7	7	7	7	7	6	6	14	7	7	–	–	–	–

Nagēlē (Negele) $05^{o}20'$N $39^{o}34'$E 1444 m

Period 1952–70 Bibliography 40, 42, 43, 44, 45	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.1	11.9	30.5	9.4	31.4	8.0	81	48	25	8	1	–	–	–	–
February	29.1	12.6	31.5	10.3	34.6	9.0	74	41	7	23	2	–	–	–	–
March	28.5	13.6	30.8	10.5	34.0	9.0	82	52	47	65	5	–	–	–	–
April	26.3	14.5	29.9	12.9	30.8	12.0	86	62	176	82	13	–	–	–	–
May	24.7	14.4	26.8	11.8	27.5	6.0	92	75	131	63	10	–	–	–	–
June	23.5	13.4	26.3	10.9	27.5	9.0	91	75	7	13	3	–	–	–	–
July	23.1	13.1	25.9	11.0	27.5	10.4	91	74	8	14	5	–	–	–	–
August	23.8	12.7	26.7	10.4	27.0	10.0	90	67	6	15	3	–	–	–	–
September	25.9	12.8	28.9	10.5	30.6	9.2	88	63	26	44	4	–	–	–	–
October	24.1	13.5	27.6	11.3	28.8	8.0	90	70	177	108	15	–	–	–	–
November	25.4	12.3	27.4	9.6	28.5	8.2	89	64	32	40	4	–	–	–	–
December	27.1	11.3	28.7	10.5	31.6	8.0	80	55	7	21	1	–	–	–	–
Year	25.8	13.0	32.0*	6.5*	34.6	6.0	86	62	649	108	66	–	–	–	–
No. of Years	7	7	7	7	7	7	5	5	14	13	14	–	–	–	–

* Average of highest/lowest each year

GABON

Franceville   01°38′S 13°34′E   426 m

Period 1950–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 14, 27, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				per cent		millimetres			hours		hours	
January	29.2	20.4	32.3	18.2	33.6	15.4	97	73	168	108	12	143	–	–	–
February	29.8	20.4	33.1	18.3	34.8	15.2	97	70	186	99	13	153	–	–	–
March	30.3	20.5	33.4	18.4	34.5	14.3	97	69	238	149	15	165	–	–	–
April	30.3	20.8	33.0	19.1	33.8	15.0	97	68	212	93	15	160	–	–	–
May	29.3	20.6	32.6	19.2	33.4	18.0	97	72	186	100	15	141	–	–	–
June	27.4	19.5	30.7	17.1	32.5	14.4	97	73	26	74	3	107	–	–	–
July	26.8	18.9	30.1	16.3	32.2	13.8	95	69	6	27	1	100	–	–	–
August	27.6	19.2	31.1	16.8	33.2	12.8	94	64	13	51	2	109	–	–	–
September	28.9	20.1	32.0	18.4	33.0	17.0	94	65	99	113	9	114	–	–	–
October	29.2	20.2	31.9	18.4	33.3	17.2	96	70	253	105	17	141	–	–	–
November	29.2	20.2	31.9	18.8	33.0	17.2	97	71	259	127	19	137	–	–	–
December	28.8	20.3	31.9	18.6	33.1	16.1	97	73	190	66	15	139	–	–	–
Year	28.9	20.1	33.7*	15.8*	34.8	12.8	96	70	1836	149	136	1609	–	–	–
No. of Years	21	21	21	21	21	21	21	17	21	21	21	18	–	–	–

Lambaréné   00·43′S 10°13′E   82 m

Period 1953–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				per cent		millimetres			hours		hours	
January	30.8	22.8	33.1	20.8	34.5	19.8	97	75	266	103	13	139	–	–	2
February	31.5	22.7	33.8	20.8	34.8	19.0	97	74	129	68	11	136	–	–	1
March	31.8	22.7	34.2	20.7	36.4	18.5	97	74	263	142	17	147	–	–	1
April	31.7	22.8	34.1	21.1	35.2	18.8	97	74	263	181	16	143	–	–	1
May	30.6	22.7	33.2	21.0	34.4	18.0	97	77	204	111	14	131	–	–	1
June	28.0	21.1	31.0	18.1	34.0	15.2	95	76	12	43	3	69	–	–	5
July	27.0	19.5	29.6	17.0	31.0	14.0	95	71	3	8	3	71	–	–	6
August	27.7	20.0	30.4	17.3	33.0	13.8	94	69	6	5	5	59	–	–	5
September	29.4	21.7	32.6	20.1	39.5	19.5	94	70	62	107	10	53	–	–	3
October	30.5	22.5	32.6	20.9	33.8	19.6	96	74	343	150	21	107	–	–	2
November	30.3	22.6	32.7	21.1	33.8	20.6	97	77	365	138	22	121	–	–	1
December	30.3	22.8	32.5	20.8	33.6	19.9	97	78	201	165	14	130	–	–	2
Year	30.0	22.0	34.9*	16.6*	36.4	13.8	96	74	2017	181	149	1306	–	–	30
No. of Years	18	18	18	18	18	18	18	14	18	18	18	18	–	–	10

Libreville   00°27′N 09°25′E   9 m

Period 1951–70	Temperature						Relative humidity		Precipitation			Bright sunshine			
Bibliography 11, 14, 28, 29	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				per cent		millimetres			hours		hours	
January	29.2	24.1	30.5	21.3	31.5	20.5	95	79	298	138	18	169	–	–	2
February	30.0	23.9	31.2	21.4	32.7	20.6	95	78	270	158	16	172	–	–	2
March	30.0	23.9	31.7	21.3	35.1	19.2	95	78	418	217	20	167	–	–	2
April	30.1	23.9	31.7	21.6	33.2	20.6	96	78	360	176	20	164	–	–	2
May	29.4	24.0	31.1	21.8	32.9	21.0	93	78	276	248	16	155	–	–	2
June	27.5	23.1	29.4	20.7	34.0	19.2	87	74	18	79	3	126	–	–	2
July	26.3	22.0	27.8	20.1	30.0	18.4	85	73	1	3	1	120	–	–	4
August	26.7	22.3	28.1	20.5	28.8	17.8	87	74	7	15	5	101	–	–	3
September	27.7	23.2	29.4	21.4	30.1	19.3	89	77	94	181	14	95	–	–	2
October	28.1	23.5	29.7	21.5	31.5	20.3	93	81	388	167	24	109	–	–	3
November	28.4	23.4	29.9	21.3	31.2	20.8	95	82	527	163	22	128	–	–	3
December	28.9	23.9	30.2	21.5	32.4	20.4	94	80	347	158	18	168	–	–	2
Year	28.5	23.4	32.2*	19.5*	35.1	17.8	92	78	3004	248	177	1674	–	–	29
No. of Years	18	18	18	18	18	18	18	14	20	21	18	18	–	–	11

---

* Average of highest/lowest each year

GABON

Makokou 00^{O}34′N 12^{O}52′E 516 m

Period 1950–70 Bibliography 14, 27, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	28.8	19.7	31.8	17.8	32.9	16.3	97	74	97	81	7	138	–	–	–
February	29.4	19.7	32.5	17.8	33.8	16.0	97	71	120	67	10	144	–	–	–
March	30.1	19.9	33.2	18.1	34.2	16.3	96	70	227	181	15	162	–	–	–
April	30.0	20.1	33.1	18.5	34.3	16.6	97	70	244	130	16	153	–	–	–
May	29.4	20.1	32.5	18.5	34.4	17.0	97	72	207	141	15	153	–	–	–
June	27.1	19.2	30.6	16.7	32.2	14.2	97	76	59	114	6	95	–	–	–
July	25.3	18.0	29.2	15.5	31.8	12.4	96	78	8	80	2	55	–	–	–
August	26.0	18.3	30.0	16.1	31.6	13.8	96	74	25	86	2	49	–	–	–
September	28.1	19.2	31.2	17.4	32.2	16.2	96	71	144	108	10	85	–	–	–
October	28.9	19.6	31.5	17.9	32.5	15.0	96	72	334	185	21	139	–	–	–
November	28.8	19.6	31.8	18.1	33.0	17.2	97	73	253	104	18	135	–	–	–
December	28.6	19.5	31.6	17.6	32.8	16.2	97	74	126	92	10	121	–	–	–
Year	28.4	19.4	33.6*	15.3*	34.4	12.4	97	73	1844	185	132	1429	–	–	–
No. of Years	18	18	18	18	18	18	18	14	21	21	21	13	–	–	–

Mayumba 03^{O}25′S 10^{O}39′E 37 m

Period 1951–70 Bibliography 11, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.2	23.4	30.8	21.3	31.6	20.1	94	81	259	218	14	–	–	–	–
February	29.7	23.7	31.5	21.5	32.1	20.6	93	79	276	325	11	–	–	–	–
March	30.2	23.7	31.8	21.8	32.8	20.5	93	79	250	188	15	–	–	–	–
April	30.3	23.8	31.9	22.0	32.8	21.0	94	78	168	124	12	–	–	–	–
May	29.0	23.2	31.2	21.5	33.9	19.3	94	79	97	86	7	–	–	–	–
June	26.4	20.7	28.3	18.4	30.0	15.5	93	75	1	3	1	–	–	–	–
July	25.3	19.2	26.9	17.7	28.8	15.5	93	73	< 1	2	1	–	–	–	–
August	25.5	19.7	27.3	18.0	28.4	15.8	92	73	4	7	3	–	–	–	–
September	26.3	21.2	28.4	19.6	29.6	17.8	93	79	36	22	14	–	–	–	–
October	27.5	22.6	29.2	21.2	30.6	20.0	94	82	230	169	20	–	–	–	–
November	28.1	22.9	29.9	21.3	31.2	18.8	95	83	383	163	19	–	–	–	–
December	28.5	23.1	30.0	21.1	30.9	18.4	95	83	199	182	13	–	–	–	–
Year	27.9	22.3	32.2*	17.5*	33.9	15.5	93	79	1903	325	130	–	–	–	–
No. of Years	18	18	18	18	18	18	18	14	20	18	18	–	–	–	–

Mitzic 00^{O}47′N 11^{O}32′E 583 m

Period 1951–70 Bibliography 11, 14, 28, 29	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	28.6	19.8	30.9	17.9	32.4	16.3	97	73	90	94	8	–	–	–	–
February	29.2	19.7	31.7	17.4	32.8	16.0	97	71	101	61	9	–	–	–	–
March	29.5	19.6	32.1	16.8	33.8	17.0	97	72	226	88	16	–	–	–	–
April	29.4	19.8	32.0	18.0	33.8	16.5	97	72	191	75	16	–	–	–	–
May	28.8	19.8	31.5	18.0	35.5	16.2	97	73	204	123	17	–	–	–	–
June	26.6	19.0	29.5	16.7	30.4	14.6	97	77	44	69	6	–	–	–	–
July	25.3	18.0	28.8	15.9	30.6	13.4	96	77	6	34	3	–	–	–	–
August	25.9	18.1	29.6	16.1	30.8	13.0	95	74	14	37	4	–	–	–	–
September	27.6	19.0	30.7	17.4	31.8	15.0	96	73	125	86	15	–	–	–	–
October	28.3	19.2	30.7	17.6	32.0	16.2	97	73	319	92	23	–	–	–	–
November	28.3	19.3	30.6	17.7	33.0	16.4	97	74	222	80	19	–	–	–	–
December	28.3	19.7	30.5	17.4	31.9	16.0	97	74	108	103	9	–	–	–	–
Year	28.0	19.3	32.7*	15.4*	35.5	13.0	97	73	1650	123	145	–	–	–	–
No. of Years	18	18	18	18	18	18	18	14	20	20	18	–	–	–	–

---

*Average of highest/lowest each year

Mouila 01°52′S 11°01′E 89 m

Period 1951–70 Bibliography 11, 14, 28, 19	Temperature Average daily Max.	Temperature Average daily Min.	Temperature Average monthly Max.	Temperature Average monthly Min.	Temperature Absolute Max.	Temperature Absolute Min.	Relative humidity Average of observations at 0630	Relative humidity Average of observations at 1230	Precipitation Average monthly fall	Precipitation Maximum fall in 24 h	Precipitation Average No. of days with 0.1 mm or more	Bright sunshine Average monthly duration	Bright sunshine Average per cent of possible	Bright sunshine Maximum duration in one day	Bright sunshine Average No. of days with no sun
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	22.7	33.6	20.8	34.5	20.0	96	72	233	133	16	–	–	–	–
February	31.8	22.5	34.4	20.5	35.4	19.5	96	70	223	107	14	–	–	–	–
March	32.3	22.6	34.7	20.8	35.4	19.6	95	69	256	135	17	–	–	–	–
April	32.5	22.8	34.6	21.1	35.1	20.0	96	70	243	166	16	–	–	–	–
May	31.0	22.8	33.7	21.2	35.4	20.2	95	72	182	106	13	–	–	–	–
June	28.1	21.1	31.1	17.7	33.0	13.4	93	72	12	95	3	–	–	–	–
July	27.1	19.8	30.6	16.6	32.1	12.5	93	68	5	5	4	–	–	–	–
August	27.4	20.1	30.9	17.0	32.8	13.0	92	67	6	7	5	–	–	–	–
September	29.3	21.5	33.3	19.4	35.0	17.5	91	67	51	110	9	–	–	–	–
October	30.9	22.3	33.6	20.6	35.0	19.6	94	69	372	160	21	–	–	–	–
November	30.9	22.3	33.4	20.7	34.4	19.6	95	72	393	194	21	–	–	–	–
December	30.7	22.6	33.2	20.9	34.0	19.5	94	72	271	137	17	–	–	–	–
Year	30.3	21.9	34.9*	15.8*	35.4	12.5	94	70	2247	194	156	–	–	–	–
No. of Years	18	18	18	18	18	18	17	13	20	23	18	–	–	–	–

---

*Average of highest/lowest each year

THE GAMBIA

Banjul (formerly Bathurst) 13°27'N 16°35'W 2 m

Period 1945–59 Bibliography 48, 49, 50	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.9	18.5	34.1	15.1	36.7	9.4	51	40	< 1	1	< 1	–	–	–	–
February	30.8	19.3	35.9	17.0	38.3	13.9	58	45	2	17	1	–	–	–	–
March	31.7	19.8	38.3	16.9	40.0	12.2	63	47	0	0	0	–	–	–	–
April	30.4	20.4	37.2	18.1	39.4	16.1	70	55	0	< 1	1	–	–	–	–
May	30.2	21.6	35.6	19.7	40.0	18.9	75	62	5	23	1	–	–	–	–
June	30.8	23.9	34.8	21.4	36.7	20.6	80	67	86	70	7	–	–	–	–
July	30.6	24.5	33.6	21.3	35.0	19.4	83	72	255	219	17	–	–	–	–
August	30.1	24.2	32.7	21.7	33.9	20.6	86	76	458	245	22	–	–	–	–
September	30.9	24.3	33.8	21.8	35.6	21.1	84	73	286	311	18	–	–	–	–
October	32.0	24.6	34.9	22.2	37.2	21.1	81	65	82	179	9	–	–	–	–
November	32.2	23.1	35.5	20.6	36.1	17.8	68	53	27	266	1	–	–	–	–
December	30.3	19.8	33.8	16.6	36.1	15.0	57	48	2	6	1	–	–	–	–
Year	30.8	22.0	38.8*	14.7*	40.0	9.4	71	59	1203	266	78	–	–	–	–
No. of Years	14	14	14	14	14	14	14	14	11	11	11	–	–	–	–

Georgetown 13°32'N 14°46'W 1 m

Period 1949–59 Bibliography 48, 49, 50	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.4	15.1	37.8	10.9	40.0	9.4	52	19	< 1	2	< 1	–	–	–	–
February	36.3	17.1	39.6	13.3	42.2	10.6	51	18	< 1	1	< 1	–	–	–	–
March	38.9	19.3	41.7	15.6	42.8	14.4	51	18	< 1	1	< 1	–	–	–	–
April	39.9	21.2	42.6	17.8	43.3	15.6	53	19	2	23	< 1	–	–	–	–
May	39.1	23.4	42.1	20.8	43.9	18.3	61	27	13	44	2	–	–	–	–
June	35.2	24.1	40.2	21.1	42.2	20.0	78	49	124	60	8	–	–	–	–
July	31.6	23.5	34.5	20.9	36.1	20.6	88	66	231	107	16	–	–	–	–
August	30.8	23.0	33.0	21.1	33.9	20.0	91	73	330	164	21	–	–	–	–
September	31.6	22.8	34.3	20.8	35.6	19.4	91	69	256	120	19	–	–	–	–
October	33.3	22.8	35.9	20.3	38.3	18.9	88	60	115	71	9	–	–	–	–
November	34.8	19.9	37.4	16.3	38.9	14.4	80	39	5	14	1	–	–	–	–
December	33.4	15.9	37.0	12.1	38.3	11.1	62	26	1	2	1	–	–	–	–
Year	34.9	20.7	42.7*	10.7*	43.9	9.4	71	40	1077	164	77	–	–	–	–
No. of Years	10	10	10	10	10	10	10	10	10	10	10	–	–	–	–

Yundum 13°21'N 16°40'W 26 m

Period 1945–59 Bibliography 48, 49, 50	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.4	14.9	35.2	9.9	37.2	7.2	56	26	1	18	< 1	–	73	–	–
February	32.4	16.3	37.2	11.9	38.9	10.0	59	28	2	17	< 1	–	77	–	–
March	33.7	16.9	39.2	13.4	40.6	11.7	62	32	0	0	0	–	85	–	–
April	32.5	18.2	38.9	15.1	40.6	12.2	65	42	0	0	0	–	86	–	–
May	31.4	19.7	37.1	16.8	41.1	13.9	71	51	8	46	1	–	84	–	–
June	31.4	22.7	35.2	20.2	37.8	18.3	79	61	68	52	7	–	69	–	–
July	30.2	23.1	32.6	20.5	33.3	20.0	86	72	290	131	18	–	50	–	–
August	29.3	22.8	31.8	20.8	33.3	20.0	90	78	532	305	25	–	44	–	–
September	30.5	22.7	32.7	20.8	33.9	20.0	89	73	313	154	20	–	51	–	–
October	31.4	22.2	34.6	18.9	37.2	16.1	87	65	99	84	9	–	64	–	–
November	31.8	19.2	34.9	14.7	35.6	12.2	77	48	13	87	1	–	72	–	–
December	30.5	16.4	34.2	12.1	35.6	9.4	63	36	1	8	< 1	–	68	–	–
Year	31.4	19.6	39.8*	9.8*	41.1	7.2	74	51	1327	305	81	–	69	–	–
No. of Years	13	13	13	13	13	13	13	13	13	13	12	–	6	–	–

---

*Average of highest/lowest each year

GHANA

Accra 05°36′N 00°10′W 65 m

Period 1941–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	22.9	33.6	20.0	35.0	16.7	83	64	20	71	2	–	60	–	–
February	32.1	23.6	34.0	21.1	36.1	19.4	83	65	29	83	2	–	63	–	–
March	32.1	23.7	33.7	21.3	35.0	18.9	81	67	70	65	5	–	59	–	–
April	31.8	23.7	33.8	21.4	35.6	20.0	81	69	90	83	7	–	58	–	–
May	30.9	23.4	33.2	21.2	35.0	20.6	82	72	146	101	11	–	53	–	–
June	28.9	22.6	31.4	20.6	33.3	19.4	87	78	235	192	15	–	38	–	–
July	27.4	21.9	29.4	20.1	31.1	17.8	87	76	70	148	9	–	36	–	–
August	27.4	21.4	29.5	19.7	31.1	17.2	86	75	21	83	7	–	39	–	–
September	28.7	21.9	30.5	20.4	32.8	18.3	83	73	54	115	8	–	48	–	–
October	30.0	22.4	31.9	20.7	33.3	20.0	81	72	77	82	8	–	62	–	–
November	31.3	22.9	32.6	20.8	33.3	17.8	81	70	35	53	4	–	69	–	–
December	31.1	23.1	33.2	20.5	34.4	16.7	83	66	18	38	2	–	65	–	–
Year	30.3	22.8	34.6*	18.7*	36.1	16.7	83	71	865	192	80	–	54	–	–
No. of Years	30	30	30	30	30	30	30	19	30	30	30	–	19	–	–

Akuse 06°05′N 00°07′E 19 m

Period 1946–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.0	21.3	36.1	17.3	37.8	12.2	81	48	23	73	2	–	61	–	–
February	35.1	22.8	37.1	19.6	39.4	16.1	74	48	40	65	3	–	64	–	–
March	34.7	23.4	36.7	21.1	38.3	19.4	73	56	107	113	9	–	59	–	–
April	34.1	23.3	36.7	21.2	40.0	19.4	75	61	129	108	9	–	55	–	–
May	33.1	22.9	35.7	21.3	37.2	20.0	76	65	179	191	12	–	57	–	–
June	30.9	22.2	33.4	20.3	35.6	18.3	80	73	216	128	15	–	40	–	–
July	29.7	21.7	32.4	19.2	34.4	16.7	79	70	85	89	9	–	35	–	–
August	30.1	21.3	32.7	18.8	35.6	16.7	76	66	42	95	7	–	36	–	–
September	31.3	21.7	33.6	19.5	35.0	18.3	76	66	120	99	11	–	39	–	–
October	32.1	21.6	34.1	20.2	35.6	18.3	76	69	152	167	13	–	59	–	–
November	32.9	21.6	34.5	19.9	36.1	17.8	77	65	114	83	10	–	65	–	–
December	33.3	21.3	34.8	18.1	36.1	12.8	81	56	34	60	4	–	65	–	–
Year	32.6	22.1	37.6*	15.9*	40.0	12.2	77	62	1241	191	104	–	53	–	–
No. of Years	25	25	25	25	25	25	25	21	25	25	25	–	11	–	–

Axim 04°52′N 02°14′W 14 m

Period 1941–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.1	23.3	31.6	20.1	35.6	15.0	91	76	59	124	5	–	63	–	–
February	30.8	24.1	32.2	21.1	34.4	19.4	88	75	64	116	6	–	64	–	–
March	31.2	24.2	32.6	21.4	35.6	20.0	85	74	140	162	10	–	63	–	–
April	31.1	24.0	32.7	21.7	34.4	20.6	85	74	193	138	13	–	56	–	–
May	30.2	23.7	32.2	21.5	33.3	20.0	87	78	431	295	20	–	53	–	–
June	28.4	23.3	30.6	21.1	35.0	20.0	88	81	618	510	23	–	29	–	–
July	27.6	23.1	29.2	20.4	30.6	17.2	86	79	194	243	14	–	33	–	–
August	26.9	22.5	28.3	20.3	30.0	17.8	89	81	61	105	12	–	33	–	–
September	27.4	22.9	28.9	21.0	30.6	19.4	89	82	91	69	16	–	37	–	–
October	28.6	23.2	30.3	21.1	31.7	20.0	88	80	231	151	18	–	52	–	–
November	30.2	23.0	31.4	21.2	33.3	19.4	86	76	170	106	16	–	63	–	–
December	30.3	23.2	31.4	20.6	32.8	17.2	88	74	91	92	10	–	64	–	–
Year	29.4	23.4	33.0*	18.9*	35.6	15.0	87	77	2343	510	163	–	51	–	–
No. of Years	30	30	30	30	30	30	30	22	30	30	30	–	11	–	–

*Average of highest/lowest each year

GHANA

Kumasi 06°43′N 01°36′W 291 m

Period 1941–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.0	19.6	33.5	14.2	35.0	11.1	89	50	24	59	2	–	51	–	–
February	32.6	21.0	34.9	16.5	37.2	13.3	87	47	65	68	5	–	56	–	–
March	32.2	21.7	34.3	19.2	37.8	16.7	88	56	143	97	10	–	56	–	–
April	31.8	21.8	33.8	19.8	36.1	18.3	87	60	149	102	12	–	56	–	–
May	30.8	21.9	33.0	19.7	35.0	18.3	88	64	201	179	15	–	54	–	–
June	29.2	21.5	31.4	19.4	32.8	17.2	89	70	224	97	19	–	39	–	–
July	27.6	21.0	29.8	19.2	31.1	16.7	90	72	139	136	15	–	27	–	–
August	26.9	20.6	29.6	18.8	31.7	16.1	90	73	83	71	14	–	20	–	–
September	28.4	21.1	30.7	19.4	31.7	18.3	91	71	159	121	19	–	29	–	–
October	29.8	21.2	31.6	19.3	32.8	15.6	90	66	192	134	19	–	44	–	–
November	30.8	21.1	32.2	18.7	33.3	13.9	89	61	100	73	12	–	55	–	–
December	30.5	20.5	32.2	15.8	33.9	10.6	90	58	30	33	4	–	50	–	–
Year	30.1	21.1	35.1*	13.4*	37.8	10.6	89	62	1509	179	146	–	45	–	–
No. of Years	30	30	30	30	30	30	30	22	30	30	30	–	19	–	–

Navrongo 10°53′N 01°05′W 202 m

Period 1946–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.4	19.2	38.3	15.4	40.6	11.7	22	14	2	23	< 1	–	79	–	–
February	37.4	21.6	40.2	17.9	41.7	14.4	25	15	5	58	1	–	76	–	–
March	38.7	24.4	41.3	20.6	42.2	18.3	39	21	16	33	2	–	71	–	–
April	37.8	25.6	41.1	21.2	42.8	16.7	57	32	55	75	5	–	63	–	–
May	35.7	24.8	39.4	20.9	42.2	18.9	66	43	105	132	8	–	67	–	–
June	32.6	23.2	36.4	19.9	38.3	18.3	75	56	120	71	11	–	66	–	–
July	30.8	22.4	34.2	19.8	36.7	18.3	81	64	196	118	13	–	55	–	–
August	29.7	22.2	32.6	20.1	33.9	18.9	85	70	269	123	18	–	45	–	–
September	30.6	21.9	33.6	19.9	34.4	17.8	83	66	223	135	17	–	51	–	–
October	33.6	22.1	36.3	19.8	37.8	16.7	73	50	52	56	6	–	77	–	–
November	36.0	20.2	37.6	16.8	38.9	15.0	48	26	9	31	1	–	81	–	–
December	35.3	18.8	37.4	15.6	38.3	13.3	28	17	1	5	< 1	–	80	–	–
Year	34.5	22.2	41.6*	14.4*	42.8	11.7	57	39	1053	135	82	–	68	–	–
No. of Years	25	25	25	25	25	25	25	22	25	25	25	–	12	–	–

Saltpond 05°12′N 01°04′W 6 m

Period 1941–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.7	23.2	32.6	19.8	33.9	16.7	87	73	21	51	2	–	62	–	–
February	31.2	24.0	33.0	21.2	35.0	19.4	86	72	23	57	3	–	65	–	–
March	31.7	24.2	33.0	21.1	34.4	20.6	83	72	74	100	6	–	62	–	–
April	31.6	24.2	33.3	21.6	35.6	20.6	82	74	96	115	8	–	57	–	–
May	30.7	23.9	32.7	21.5	33.9	20.6	84	76	194	144	15	–	56	–	–
June	28.7	23.3	31.1	21.2	32.2	18.9	88	81	304	189	18	–	36	–	–
July	27.4	22.6	29.2	20.2	30.6	17.8	89	81	87	119	11	–	37	–	–
August	26.4	21.6	28.3	20.1	29.4	18.3	90	82	24	37	8	–	40	–	–
September	27.7	22.3	29.4	20.6	30.6	18.9	87	80	35	51	10	–	48	–	–
October	29.6	23.1	31.3	21.0	32.8	19.4	85	77	104	100	11	–	65	–	–
November	31.2	23.1	32.4	21.1	33.3	18.9	84	73	73	87	7	–	71	–	–
December	31.2	23.4	32.6	20.5	33.9	17.2	86	73	24	62	3	–	66	–	–
Year	29.8	23.2	33.8*	17.3*	35.6	16.7	86	76	1059	189	101	–	55	–	–
No. of Years	30	30	30	30	30	30	30	21	30	30	30	–	12	–	–

*Average of highest/lowest each year

GHANA

Takoradi 04°53′N 01°46′W 9 m

Period 1941–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.4	21.8	32.2	18.7	37.8	13.9	91	74	31	201	3	–	58	–	–
February	31.0	22.6	32.6	20.3	34.4	17.8	89	73	35	75	4	–	42	–	–
March	31.3	23.1	32.8	21.2	34.4	20.0	84	73	79	88	7	–	60	–	–
April	31.1	23.2	32.8	21.3	37.2	20.6	83	73	115	90	10	–	57	–	–
May	30.2	23.1	31.9	21.4	33.9	20.0	85	77	250	234	17	–	48	–	–
June	28.4	22.8	30.5	20.8	32.2	17.8	87	81	346	254	19	–	33	–	–
July	27.3	21.8	28.8	19.0	30.6	15.6	88	80	120	170	13	–	36	–	–
August	26.8	21.1	28.2	18.6	30.0	15.6	88	82	43	67	11	–	32	–	–
September	27.6	21.7	29.2	19.8	30.6	17.8	87	81	57	93	13	–	37	–	–
October	28.8	22.1	30.3	20.6	31.7	18.9	85	79	138	121	14	–	56	–	–
November	30.0	22.2	31.0	20.6	31.7	18.9	84	75	77	79	10	–	67	–	–
December	30.3	22.1	31.6	19.7	33.3	16.1	87	74	31	64	5	–	64	–	–
Year	29.4	22.3	33.7*	17.4*	37.8	13.9	87	77	1322	254	126	–	51	–	–
No. of Years	30	30	30	30	30	30	30	21	30	30	30	–	18	–	–

Tamale 09°25′N 00°53′W 183 m

Period 1941–70 Bibliography 51, 52, 53	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.4	20.4	37.9	16.8	40.0	15.0	39	19	4	24	1	–	74	–	–
February	36.9	22.8	39.2	19.1	40.6	16.1	45	21	12	69	1	–	72	–	–
March	37.1	24.6	39.5	21.1	41.1	18.9	62	31	48	66	4	–	67	–	–
April	35.4	24.6	38.5	21.3	41.1	19.4	73	46	88	97	7	–	62	–	–
May	33.6	23.6	36.8	20.7	39.4	18.9	78	54	112	82	10	–	64	–	–
June	31.1	22.5	32.7	20.1	37.8	18.9	83	63	146	65	12	–	56	–	–
July	29.8	22.1	32.7	19.9	35.6	18.3	85	66	142	78	13	–	44	–	–
August	29.2	21.9	32.2	20.2	35.0	18.9	86	69	198	166	15	–	36	–	–
September	29.9	21.8	32.7	19.8	34.4	18.9	87	69	231	89	19	–	44	–	–
October	32.2	21.9	34.6	20.0	35.6	18.9	80	57	92	72	12	–	71	–	–
November	34.8	21.6	36.3	18.7	37.8	16.1	70	39	14	35	2	–	81	–	–
December	34.9	20.3	36.9	16.7	37.8	13.9	53	27	3	10	1	–	74	–	–
Year	33.4	22.3	39.8*	16.1*	41.1	13.9	70	47	1090	166	97	–	62	–	–
No. of Years	30	30	30	30	30	30	18	14	30	30	30	–	18	–	–

---

*Average of highest/lowest each year

GUINEA

Boké 10°56′N 14°19′W 69 m

Period 1949–57 Bibliography 11, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						per cent		millimetres			hours		hours	
January	34.3	18.3	37.2	14.3	38.9	12.7	85	49	0	0	0	248	–	–	< 1
February	35.9	19.3	37.9	15.3	39.1	13.0	85	42	0	0	0	243	–	–	0
March	36.9	21.1	39.6	18.4	41.6	17.8	88	43	2	6	< 1	293	–	–	0
April	36.5	22.6	39.1	20.3	40.4	18.5	88	46	15	25	2	274	–	–	0
May	34.6	23.3	37.9	21.6	39.4	20.2	89	57	93	41	8	231	–	–	1
June	31.4	22.9	33.9	20.7	36.7	19.6	93	72	301	118	21	167	–	–	1
July	29.1	22.5	32.5	20.6	34.2	20.0	95	80	533	114	27	115	–	–	2
August	28.2	22.4	31.3	20.8	32.5	20.0	96	83	677	183	29	81	–	–	3
September	30.1	22.3	33.4	20.7	35.2	20.0	96	78	464	109	26	142	–	–	1
October	31.6	21.9	34.2	20.3	35.6	19.8	95	73	377	70	23	189	–	–	0
November	32.3	21.8	34.6	18.8	36.2	16.0	96	69	124	78	10	208	–	–	1
December	33.0	19.3	35.7	15.8	36.9	13.6	90	56	9	15	1	212	–	–	1
Year	32.8	21.5	39.8*	13.9*	41.6	12.7	91	62	2595	183	147	2403	–	–	10
No. of Years	9	9	9	9	9	9	9	9	9	5	9	5	–	–	5

Conakry 09°34′N 13°37′W 46 m

Period 1949–57 Bibliography 11, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.8	22.1	32.9	19.3	34.0	16.1	87	59	1	4	< 1	159	–	–	1
February	31.3	22.3	34.0	19.4	35.5	14.2	86	58	< 1	< 1	< 1	195	–	–	1
March	31.5	22.8	33.8	20.7	34.9	18.8	86	58	11	19	2	275	–	–	0
April	31.9	23.6	34.0	21.2	34.8	19.3	85	59	28	39	3	208	–	–	1
May	31.1	23.6	33.4	20.6	34.4	19.6	89	67	145	57	13	166	–	–	1
June	29.2	22.5	31.1	20.0	32.0	19.2	93	78	468	164	24	103	–	–	4
July	27.5	22.0	29.8	19.9	30.7	19.2	96	85	1327	285	29	62	–	–	10
August	27.0	22.1	29.1	20.7	29.7	20.0	96	88	1255	312	29	59	–	–	11
September	28.5	22.4	30.3	20.1	31.2	18.6	96	82	692	190	26	119	–	–	4
October	29.7	22.2	31.6	19.8	33.0	19.2	95	75	346	88	21	167	–	–	1
November	30.5	23.0	32.3	20.3	33.2	19.8	94	73	121	62	10	171	–	–	1
December	30.9	22.7	32.7	19.6	33.7	13.6	89	65	24	57	3	99	–	–	5
Year	30.0	22.6	34.4*	18.3*	35.5	13.6	91	71	4418	312	160	1783	–	–	40
No. of Years	9	9	9	9	9	9	9	9	9	5	9	5	–	–	5

Kankan 10°23′N 09°18′W 377 m

Period 1949–57 Bibliography 11, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						per cent		millimetres			hours		hours	
January	33.4	14.6	35.5	10.2	36.6	7.4	78	26	2	2	< 1	286	–	–	0
February	34.9	18.2	37.5	12.5	38.4	10.4	69	29	16	37	2	251	–	–	0
March	35.9	21.9	38.2	17.0	39.4	14.2	73	40	26	27	4	261	–	–	< 1
April	35.0	23.1	37.8	18.6	38.5	16.6	79	51	70	54	6	227	–	–	< 1
May	33.1	22.7	36.5	19.5	38.0	17.8	86	63	140	57	11	230	–	–	< 1
June	30.7	21.3	33.5	18.8	34.6	17.8	93	73	223	59	18	215	–	–	< 1
July	28.9	20.8	31.6	18.9	32.5	17.9	95	77	297	88	21	164	–	–	1
August	28.2	20.8	30.7	18.9	31.9	18.1	95	78	387	140	23	147	–	–	3
September	29.5	20.9	32.0	19.2	33.0	18.8	96	75	332	163	24	183	–	–	< 1
October	31.0	20.8	33.2	19.1	34.0	17.6	94	67	164	100	17	232	–	–	0
November	32.2	19.4	34.0	15.0	35.5	10.5	93	53	51	49	5	244	–	–	< 1
December	32.5	15.1	34.3	10.8	36.0	9.2	88	34	7	22	1	254	–	–	0
Year	32.1	20.0	38.3*	9.9*	39.4	7.4	87	55	1715	163	132	2694	–	–	4
No. of Years	9	9	9	9	9	9	9	9	9	5	9	5	–	–	5

---

*Average of highest/lowest each year

GUINEA

Kindia 10°03′N 12°52′W 458 m

Period 1949–57 Bibliography 11, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0500	Average of observations at 1100	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.0	19.7	34.0	17.4	35.5	12.2	77	45	3	26	1	–	–	–	–
February	33.6	20.1	35.2	18.3	37.0	16.1	75	40	2	8	1	–	–	–	–
March	34.5	20.8	36.2	18.8	37.5	16.8	80	46	32	21	3	–	–	–	–
April	33.9	21.3	36.1	19.5	37.2	18.0	82	52	62	59	6	–	–	–	–
May	31.3	21.3	34.5	19.1	36.1	18.6	89	64	179	52	13	–	–	–	–
June	28.5	20.7	31.3	18.8	32.8	18.0	94	77	277	109	19	–	–	–	–
July	26.5	20.3	29.9	18.8	30.6	17.9	96	83	406	158	26	–	–	–	–
August	25.6	20.3	28.9	18.8	29.8	18.0	97	87	538	106	29	–	–	–	–
September	27.3	20.5	29.8	19.3	30.5	18.9	96	81	364	89	25	–	–	–	–
October	28.6	20.4	30.6	19.0	31.6	18.5	95	74	294	58	21	–	–	–	–
November	29.8	20.8	31.9	18.9	32.5	18.0	94	68	71	45	8	–	–	–	–
December	30.6	19.9	32.5	18.0	33.2	17.2	84	52	24	35	2	–	–	–	–
Year	30.2	20.5	36.4*	16.8*	37.5	12.2	88	64	2252	158	154	–	–	–	–
No. of Years	9	9	9	9	9	9	9	9	9	5	9	–	–	–	–

Labé 11°19′N 12°18′W 1025 m

Period 1949–57 Bibliography 11, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0500	Average of observations at 1100	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.5	12.0	31.6	8.2	33.0	3.8	63	25	3	20	< 1	284	–	–	0
February	30.9	13.4	33.2	9.4	34.0	6.0	60	25	1	3	< 1	262	–	–	< 1
March	32.4	15.4	34.1	11.6	34.8	7.8	67	25	8	11	2	273	–	–	0
April	32.4	17.4	34.7	13.4	36.0	8.8	81	35	48	44	6	249	–	–	0
May	30.5	18.4	33.7	16.2	36.2	15.3	90	53	119	40	12	220	–	–	0
June	27.5	17.6	30.5	15.6	32.0	13.0	95	69	248	59	23	173	–	–	< 1
July	25.7	17.5	28.4	15.9	29.6	14.6	97	76	345	73	25	142	–	–	1
August	25.1	17.6	27.5	16.2	29.4	15.0	97	78	343	61	26	103	–	–	3
September	25.8	17.3	27.7	15.3	29.9	14.1	97	74	332	71	25	148	–	–	0
October	26.7	16.7	28.4	14.4	30.0	11.1	97	67	193	88	19	199	–	–	0
November	27.9	14.8	30.0	11.2	31.0	8.9	91	48	30	34	5	213	–	–	< 1
December	28.2	12.6	30.4	8.9	32.4	4.4	76	34	27	58	2	237	–	–	1
Year	28.5	15.9	35.0*	7.6*	36.2	3.8	84	51	1697	88	145	2503	–	–	5
No. of Years	9	9	9	9	9	9	9	9	9	5	9	5	–	–	5

Mamou 10°22′N 12°05′W 782 m

Period 1949–57 Bibliography 11, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0500	Average of observations at 1100	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.0	15.4	32.9	11.8	34.2	10.4	69	30	10	20	1	–	–	–	–
February	32.3	17.2	34.9	14.6	36.0	11.6	68	29	7	14	1	–	–	–	–
March	33.1	18.6	35.1	15.7	36.0	14.5	81	38	69	79	5	–	–	–	–
April	32.1	19.6	35.0	17.4	36.0	16.2	87	51	79	43	8	–	–	–	–
May	29.9	19.7	33.5	17.2	35.6	15.8	93	66	160	45	14	–	–	–	–
June	27.6	18.9	30.4	17.0	32.0	16.0	96	75	223	66	21	–	–	–	–
July	25.6	18.4	28.8	16.8	30.3	14.8	97	82	319	124	26	–	–	–	–
August	24.9	18.5	27.8	17.0	28.6	15.8	98	86	442	101	29	–	–	–	–
September	26.4	18.5	28.8	16.7	29.8	13.8	97	78	400	126	27	–	–	–	–
October	27.5	18.3	19.6	16.3	30.8	14.5	97	72	275	70	22	–	–	–	–
November	28.8	17.6	31.1	13.8	31.6	11.0	94	57	70	30	8	–	–	–	–
December	29.7	15.5	31.9	12.0	32.6	10.0	80	38	11	22	2	–	–	–	–
Year	29.1	18.0	35.7*	11.2*	36.0	10.0	88	59	2065	126	164	–	–	–	–
No. of Years	9	9	9	9	9	9	9	9	9	5	9	–	–	–	–

---

*Average of highest/lowest each year

GUINEA BISSAU

Bissau 11°52′N 15°35′W 21 m

Period 1947–70 Bibliography 54	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	18.0	34.8	15.0	36.6	12.4	51	34	1	1	4	250	70	–	–
February	32.7	19.0	36.9	16.3	39.6	13.3	56	36	1	3	4	243	73	–	–
March	33.5	19.9	38.3	17.5	39.6	15.7	62	42	< 1	< 1	3	300	80	–	–
April	33.4	20.8	38.4	18.6	41.2	16.8	61	46	1	8	1	297	80	–	–
May	32.7	22.4	36.2	20.0	39.9	17.2	67	55	24	68	3	281	72	–	–
June	31.3	23.1	34.0	20.5	35.6	18.3	78	66	167	88	14	215	56	–	–
July	29.6	22.9	32.1	20.7	33.5	19.4	85	77	494	183	24	157	38	–	–
August	28.9	22.9	31.5	20.8	33.4	19.0	88	81	617	253	28	119	31	–	–
September	29.8	22.8	32.4	20.8	34.0	19.6	86	76	416	176	24	153	42	–	–
October	31.0	23.0	33.1	20.9	34.2	19.9	83	69	199	73	18	209	56	–	–
November	31.6	22.4	33.7	19.5	35.0	15.0	74	58	44	65	8	234	67	–	–
December	31.0	18.9	33.5	15.6	35.6	12.7	56	41	13	20	2	234	66	–	–
Year	31.4	21.4	39.1*	14.7*	41.2	12.4	71	57	1977	253	133	2692	61	–	–
No. of Years	24	24	24	24	24	24	24	24	24	24	24	24	24	–	–

Bolama 11°35′N 15°29′W 18 m

Period 1947–70 Bibliography 54	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	19.1	34.9	16.4	36.7	14.2	58	38	1	1	5	256	72	–	–
February	32.8	20.1	36.8	17.9	39.6	14.9	63	41	1	3	4	249	75	–	–
March	33.4	21.1	37.5	19.0	39.2	17.6	67	47	< 1	< 1	3	306	82	–	–
April	33.4	22.1	38.1	20.0	41.0	18.0	65	48	< 1	2	2	300	81	–	–
May	33.0	23.6	36.5	21.3	39.2	19.0	69	55	32	84	3	281	72	–	–
June	31.3	23.6	34.3	21.1	37.0	20.0	79	67	23	116	16	203	53	–	–
July	29.5	23.2	32.0	21.1	34.0	20.4	85	78	657	280	27	144	35	–	–
August	28.8	23.1	31.1	21.3	32.7	20.4	87	81	779	256	28	116	30	–	–
September	29.8	23.1	32.4	21.1	34.4	19.9	85	77	412	187	24	157	43	–	–
October	31.2	23.3	33.3	21.3	34.2	20.6	82	70	225	124	18	224	61	–	–
November	32.0	23.3	33.9	20.8	35.1	18.9	76	60	59	110	6	237	69	–	–
December	31.5	20.2	34.0	17.1	35.2	15.3	60	44	4	44	3	246	70	–	–
Year	31.5	22.1	38.7*	16.7*	41.0	14.2	73	59	2193	280	139	2719	62	–	–
No. of Years	24	24	24	24	24	24	24	24	24	24	24	23	23	–	–

---

*Average of highest/lowest each year

IVORY COAST

Abidjan 05°15′N 03°56′W 7 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	22.8	31.9	19.6	33.3	14.7	96	74	31	49	3	198	–	–	2
February	30.9	23.8	32.2	20.5	35.0	16.0	94	74	56	78	4	199	–	–	1
March	31.1	24.1	32.5	21.2	33.9	19.0	93	73	114	89	9	228	–	–	1
April	31.1	24.2	32.8	21.3	35.0	19.8	93	73	167	118	12	205	–	–	2
May	30.4	23.9	32.5	21.3	33.8	19.4	94	76	312	231	18	187	–	–	2
June	28.5	23.2	30.8	20.8	32.3	19.4	93	82	683	257	22	114	–	–	5
July	27.7	22.6	29.3	20.4	32.6	18.0	92	79	274	220	13	125	–	–	4
August	27.0	21.6	28.4	19.6	29.5	17.2	95	80	38	85	7	113	–	–	3
September	27.6	22.3	29.1	20.2	31.4	18.2	96	81	55	73	11	131	–	–	1
October	28.7	23.2	30.1	21.0	32.0	19.8	94	79	194	159	15	184	–	–	1
November	30.2	23.8	31.3	21.6	33.2	19.5	93	75	174	112	17	217	–	–	1
December	30.3	23.5	31.4	20.4	33.5	16.7	94	74	113	131	10	208	–	–	1
Year	29.5	23.3	33.3*	18.0*	35.0	14.7	94	77	2211	257	141	2109	–	–	24
No. of Years	21	21	21	21	21	21	21	16	22	22	30	19	–	–	12

Adiaké 05°18′N 03°18′W 38 m

Period 1944–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.0	22.0	32.8	18.4	34.6	12.9	97	76	37	49	4	–	–	–	–
February	31.9	22.7	33.7	20.0	36.0	16.3	96	71	66	62	6	–	–	–	–
March	31.8	23.1	33.6	21.0	34.6	20.0	96	72	134	78	10	–	–	–	–
April	31.5	23.1	33.3	21.3	34.8	20.0	96	74	172	94	12	–	–	–	–
May	30.7	23.0	32.9	21.0	34.8	18.0	97	77	285	280	19	–	–	–	–
June	28.4	22.5	30.9	20.5	32.1	19.0	97	84	619	277	23	–	–	–	–
July	27.3	21.7	29.3	19.1	30.8	16.0	96	81	230	164	16	–	–	–	–
August	26.9	21.4	28.9	18.4	30.8	15.8	96	79	51	53	11	–	–	–	–
September	27.7	22.1	29.9	19.8	31.6	17.7	96	80	99	119	16	–	–	–	–
October	29.2	22.4	31.3	20.7	33.6	19.4	97	79	227	145	19	–	–	–	–
November	30.7	22.3	32.4	20.9	34.0	19.6	97	75	184	126	16	–	–	–	–
December	30.9	22.1	32.5	19.5	34.2	15.0	97	76	77	97	8	–	–	–	–
Year	29.8	22.4	34.1*	16.8*	36.0	12.9	97	77	2181	280	160	–	–	–	–
No. of Years	21	21	21	21	21	21	21	16	22	22	27	–	–	–	–

Bouaké 07°41′N 05°02′W 369 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.1	20.4	35.7	16.7	39.2	13.7	83	49	16	56	1	210	–	–	1
February	34.1	21.4	36.3	18.7	39.4	17.2	84	52	53	62	4	203	–	–	< 1
March	33.8	21.9	36.5	19.4	40.0	17.3	90	59	82	73	7	208	–	–	1
April	32.8	21.9	35.5	19.6	39.0	18.2	93	64	134	82	9	186	–	–	1
May	31.7	21.7	34.2	19.3	37.3	17.6	95	69	133	133	11	194	–	–	1
June	29.8	21.0	32.7	19.0	36.8	18.0	97	75	164	116	14	126	–	–	1
July	28.0	20.5	30.8	18.8	33.6	16.7	97	77	118	158	12	90	–	–	2
August	27.8	20.4	30.8	19.0	33.7	17.9	97	78	100	73	16	76	–	–	3
September	29.1	20.7	31.8	19.0	35.0	18.0	98	77	183	96	19	115	–	–	1
October	30.2	20.7	32.4	18.9	35.8	18.0	98	74	147	101	14	168	–	–	1
November	31.3	20.8	33.4	18.9	36.4	17.1	97	68	38	44	4	183	–	–	< 1
December	31.9	20.3	34.0	17.0	36.5	13.0	91	57	14	31	2	181	–	–	1
Year	31.1	21.0	37.0*	15.9*	40.0	13.0	93	67	1182	158	113	1940	–	–	13
No. of Years	21	21	21	21	21	21	21	16	22	22	30	17	–	–	12

*Average of highest/lowest each year

IVORY COAST

Dimbokro 06°39′N 04°42′W 110 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.6	21.3	36.1	16.7	38.4	11.4	93	63	10	26	1	–	–	–	–
February	35.3	22.8	37.4	18.8	40.6	16.0	90	58	52	75	4	–	–	–	–
March	35.3	23.3	37.6	21.1	41.0	19.3	91	61	114	91	8	–	–	–	–
April	34.5	23.3	37.2	21.1	40.0	20.2	93	64	148	99	11	–	–	–	–
May	33.5	23.1	35.9	20.9	38.7	19.8	94	68	157	92	14	–	–	–	–
June	31.6	22.4	34.3	20.5	37.0	19.8	95	74	179	104	16	–	–	–	–
July	30.2	21.9	32.8	20.0	36.2	17.2	94	74	126	130	11	–	–	–	–
August	29.5	21.7	32.6	19.8	36.6	18.5	94	74	65	44	11	–	–	–	–
September	30.9	22.1	33.4	20.3	35.8	18.3	94	73	139	97	14	–	–	–	–
October	32.0	22.4	33.8	20.7	37.0	19.5	95	71	125	78	14	–	–	–	–
November	33.1	22.3	34.6	20.3	37.2	16.8	95	67	55	73	6	–	–	–	–
December	32.7	21.6	34.5	17.5	37.3	13.0	95	66	24	73	2	–	–	–	–
Year	32.7	22.3	38.0*	15.2*	41.0	11.4	94	68	1194	104	112	–	–	–	–
No. of Years	21	21	21	21	21	21	21	16	22	22	30	–	–	–	–

Ferkéssédougou 09°35′N 05°12′W 323 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.0	16.0	37.2	11.6	39.3	9.8	70	31	4	45	1	279	–	–	0
February	36.2	19.5	38.6	14.2	40.8	11.4	69	35	19	53	1	251	–	–	< 1
March	36.1	22.4	38.8	17.5	40.4	14.1	80	47	54	107	4	255	–	–	1
April	34.7	23.2	37.9	20.4	40.6	17.6	87	58	101	93	7	229	–	–	< 1
May	33.4	22.8	36.5	20.3	38.9	19.2	91	65	130	73	10	243	–	–	< 1
June	31.5	21.7	34.6	19.7	36.2	18.4	94	70	175	86	12	221	–	–	< 1
July	29.9	21.3	32.8	19.5	34.7	17.0	95	74	200	106	15	183	–	–	1
August	29.3	21.4	32.1	19.7	33.1	18.8	95	76	295	154	19	151	–	–	1
September	30.4	21.2	33.2	19.6	34.7	18.9	96	73	266	135	19	173	–	–	< 1
October	32.4	21.1	35.0	19.1	36.4	17.9	94	65	109	67	12	245	–	–	1
November	33.9	20.0	35.7	15.7	36.9	10.7	93	54	38	58	4	261	–	–	0
December	34.1	16.6	36.0	12.0	37.5	10.0	87	37	11	92	1	256	–	–	< 1
Year	33.1	20.6	39.1*	11.0*	40.8	9.8	88	57	1402	154	105	2747	–	–	4
No. of Years	21	21	21	21	21	21	20	15	22	22	30	16	–	–	12

Gagnoa 06°08′N 05°57′W 214 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.4	20.7	33.9	15.9	36.4	10.2	97	71	43	98	3	183	–	–	< 1
February	32.8	21.7	35.0	17.9	36.6	13.5	96	67	72	123	6	179	–	–	< 1
March	32.8	22.0	34.9	19.8	36.3	18.8	97	70	135	74	11	195	–	–	< 1
April	32.4	22.1	34.6	20.2	36.6	19.4	97	71	170	84	13	186	–	–	< 1
May	31.6	22.2	33.8	20.0	35.4	18.8	98	74	179	72	17	180	–	–	< 1
June	29.6	21.7	32.2	19.8	33.6	18.0	98	79	236	90	19	115	–	–	1
July	28.4	21.0	30.9	18.7	32.8	14.8	97	79	105	99	12	96	–	–	1
August	28.0	21.2	30.9	18.6	32.5	16.0	97	78	70	45	14	79	–	–	2
September	29.5	21.5	31.8	19.7	33.7	17.0	97	78	172	118	17	109	–	–	< 1
October	30.7	21.9	32.6	20.3	34.8	18.9	97	76	190	94	17	153	–	–	< 1
November	31.3	21.8	32.7	19.8	35.5	17.6	98	75	117	112	12	172	–	–	< 1
December	30.8	21.2	32.7	17.0	35.9	13.4	97	75	57	68	6	166	–	–	< 1
Year	30.8	21.6	35.4*	14.4*	36.6	10.2	97	74	1546	123	147	1813	–	–	4
No. of Years	21	21	21	21	21	21	21	16	22	22	30	17	–	–	12

*Average of highest/lowest each year

IVORY COAST

Man 07° 24′N 07°31′W 340 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.9	17.4	34.2	12.7	36.6	6.0	91	55	13	45	2	223	–	–	< 1
February	32.9	19.1	35.3	14.3	37.4	8.6	90	54	57	78	4	201	–	–	1
March	32.2	20.5	34.9	17.6	37.4	14.2	94	63	101	65	9	201	–	–	< 1
April	31.2	20.8	33.6	18.6	34.6	17.7	96	69	155	91	11	171	–	–	1
May	30.5	20.8	32.8	18.8	34.2	17.3	97	72	146	61	13	160	–	–	< 1
June	28.7	20.5	31.3	18.5	32.7	16.5	97	78	212	91	16	115	–	–	1
July	27.0	19.9	29.5	17.7	31.4	14.2	97	83	196	88	18	82	–	–	4
August	26.7	20.0	29.5	17.9	31.0	15.5	97	84	233	112	23	76	–	–	3
September	28.3	20.2	30.3	17.9	31.7	16.6	98	80	312	182	23	124	–	–	1
October	29.2	20.0	30.8	18.1	31.8	17.0	98	75	174	121	16	177	–	–	0
November	29.9	19.5	31.5	17.2	32.7	14.4	97	71	53	53	5	178	–	–	< 1
December	30.5	17.8	32.2	12.9	33.8	7.8	95	61	18	35	2	185	–	–	1
Year	29.9	19.6	35.6*	11.3*	37.4	6.0	96	70	1670	182	142	1893	–	–	12
No. of Years	21	21	21	21	21	21	21	16	22	22	30	15	–	–	10

Odienné 09°30′N 07°34′W 432 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.9	16.1	36.1	12.2	37.0	7.8	68	32	6	52	1	241	–	–	0
February	35.7	19.3	38.1	14.8	39.2	7.8	67	35	11	41	1	213	–	–	< 1
March	35.6	21.6	38.5	17.9	40.0	13.5	78	45	46	76	4	225	–	–	< 1
April	34.7	22.3	37.6	19.4	39.3	17.6	82	51	89	92	7	199	–	–	1
May	33.2	21.9	36.3	19.5	38.0	18.4	91	64	115	78	10	236	–	–	0
June	31.2	20.9	34.1	18.7	36.0	17.0	94	70	174	83	14	216	–	–	< 1
July	29.6	20.7	32.5	18.7	34.1	17.9	95	74	299	127	19	172	–	–	1
August	29.0	20.7	31.7	19.1	33.7	17.3	96	77	364	122	23	145	–	–	1
September	29.9	20.5	32.5	18.7	33.7	16.1	96	74	286	147	20	167	–	–	< 1
October	31.2	20.2	33.3	18.4	34.8	16.5	95	68	171	81	16	222	–	–	0
November	32.1	19.8	33.8	15.7	33.4	11.6	93	58	63	45	6	238	–	–	0
December	32.5	16.1	34.6	12.5	37.0	8.8	83	41	11	44	1	244	–	–	0
Year	32.4	20.0	38.7*	11.5*	40.0	7.8	87	57	1635	147	122	2518	–	–	3
No. of Years	21	21	20	21	20	21	21	16	22	22	30	12	–	–	9

Sassandra 04°57′N 06°05′W 50 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.5	22.9	30.9	20.1	31.8	16.0	98	80	23	44	3	221	–	–	< 1
February	30.2	23.3	31.7	21.0	33.0	19.3	97	78	23	69	3	213	–	–	1
March	30.4	23.4	32.2	21.0	33.8	15.2	96	79	72	99	6	226	–	–	1
April	30.3	23.5	31.9	21.2	33.1	20.0	97	79	113	92	10	212	–	–	1
May	29.5	23.4	31.8	21.1	33.8	19.8	97	83	303	169	17	196	–	–	2
June	27.5	22.6	29.9	20.7	31.5	19.8	96	87	586	241	21	112	–	–	6
July	26.8	22.1	28.5	20.3	29.6	17.8	94	83	209	220	12	136	–	–	3
August	26.3	21.5	28.0	19.7	29.4	17.1	95	84	21	31	9	125	–	–	2
September	27.0	21.9	28.7	20.1	30.0	18.0	97	85	51	82	12	146	–	–	1
October	28.3	22.5	29.8	20.9	31.4	19.8	97	82	105	188	13	210	–	–	< 1
November	29.4	22.8	30.5	21.2	32.3	19.4	97	81	158	175	14	216	–	–	< 1
December	29.6	22.9	31.0	20.6	32.3	18.0	98	79	93	76	7	221	–	–	< 1
Year	28.7	22.7	32.5*	18.7*	33.8	15.2	97	82	1757	241	127	2234	–	–	17
No. of Years	21	21	21	21	21	21	21	16	22	22	30	15	–	–	10

*Average of highest/lowest each year

IVORY COAST

Tabou 04°25′N 07°22′W 4 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.3	23.1	30.6	20.5	32.0	16.5	96	79	68	110	7	218	–	–	< 1
February	30.0	23.4	31.4	21.4	32.7	19.5	95	78	42	55	5	219	–	–	< 1
March	30.2	23.4	31.8	21.4	32.7	20.2	96	78	95	93	9	223	–	–	1
April	30.3	23.6	31.9	21.5	33.0	20.2	96	78	130	95	12	200	–	–	2
May	29.4	23.6	31.5	21.5	33.0	20.2	95	82	401	220	21	168	–	–	3
June	27.6	23.3	29.9	21.1	31.0	17.8	91	84	581	203	21	84	–	–	9
July	27.0	23.3	28.7	20.6	30.2	18.6	89	90	186	147	13	99	–	–	6
August	26.3	22.6	28.0	20.6	30.2	17.4	92	82	96	92	16	87	–	–	8
September	26.6	22.6	28.4	20.9	29.4	18.5	95	88	240	146	21	87	–	–	5
October	27.8	23.2	29.4	21.6	30.2	20.6	95	84	194	143	18	170	–	–	1
November	29.0	23.3	30.2	21.4	31.8	20.5	95	81	210	210	16	209	–	–	1
December	29.3	23.2	30.6	21.2	32.0	18.4	95	79	153	231	12	208	–	–	1
Year	28.6	23.2	32.1*	19.2	33.0	16.5	94	81	2396	231	171	1972	–	–	37
No. of Years	21	21	21	21	21	21	21	16	22	22	21	15	–	–	10

*Average of highest/lowest each year

KENYA

Eldoret 00°31′N 35°17′E 2073 m

Period 1941–68 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	25.3	8.5	27.1	4.8	29.4	1.6	62	35	29	93	5	276	–	–	–
February	26.0	8.8	27.6	5.4	29.1	2.6	61	33	40	73	5	260	–	–	–
March	25.9	9.7	28.0	5.9	30.6	3.4	65	36	57	157	8	267	–	–	–
April	24.5	8.9	26.8	7.5	28.9	5.0	75	47	150	245	15	243	–	–	–
May	23.5	10.3	25.3	7.2	27.8	4.9	78	51	124	153	15	233	–	–	–
June	22.7	9.0	25.2	5.7	28.0	4.4	81	53	104	50	13	228	–	–	–
July	21.4	9.4	23.9	6.2	27.2	4.9	85	60	172	166	19	183	–	–	–
August	21.8	9.3	23.6	6.4	25.2	5.0	84	62	196	251	21	180	–	–	–
September	23.3	8.6	25.2	5.9	27.0	4.5	75	51	87	63	11	225	–	–	–
October	23.9	9.5	25.4	6.3	27.2	4.5	67	46	48	40	9	242	–	–	–
November	23.7	10.1	25.4	6.5	27.3	3.6	70	46	50	110	9	222	–	–	–
December	23.9	9.4	25.6	6.2	27.5	3.6	68	43	46	174	7	273	–	–	–
Year	23.8	9.3	28.5*	4.1*	30.6	1.6	73	47	1103	251	137	2832	–	–	–
No. of Years	28	28	20	20	20	20	28	28	28	20	15	5	–	–	–

Garissa 00°29′S 39°38′E 127 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.1	21.9	36.8	18.9	38.1	16.1	74	44	7	32	2	–	–	–	–
February	36.1	22.7	38.1	20.1	39.6	18.3	73	42	6	36	1	–	–	–	–
March	36.7	24.1	38.7	21.7	41.4	20.0	73	42	42	126	3	–	–	–	–
April	35.7	24.3	38.0	22.0	44.4	20.3	75	47	62	93	6	–	–	–	–
May	34.5	23.1	36.8	21.1	46.1	18.1	71	46	17	51	3	–	–	–	–
June	33.0	21.5	35.2	19.0	42.2	16.2	71	45	6	12	1	–	–	–	–
July	32.3	21.0	34.4	18.5	41.7	15.7	72	45	14	14	1	–	–	–	–
August	32.4	21.1	34.7	18.7	37.3	17.1	71	43	12	14	1	–	–	–	–
September	33.6	21.5	35.6	19.5	37.2	16.7	70	40	7	32	3	–	–	–	–
October	34.7	22.8	36.6	20.6	38.2	18.4	71	41	24	66	3	–	–	–	–
November	34.4	23.4	36.6	21.2	38.5	19.9	75	48	93	127	9	–	–	–	–
December	33.7	22.7	35.7	20.5	37.4	18.4	77	51	55	95	8	–	–	–	–
Year	34.3	22.5	39.3*	17.4*	46.1	15.7	73	45	345	127	41	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

Kisumu 00°06′S 34°45′E 1141 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.6	17.0	33.7	13.7	36.0	11.0	61	41	62	51	7	267	–	–	–
February	30.9	17.4	33.9	14.6	36.6	12.8	64	42	88	59	8	246	–	–	–
March	30.4	17.7	33.8	15.4	36.1	13.0	68	45	163	81	13	263	–	–	–
April	28.9	17.9	31.4	15.5	35.2	13.3	76	53	207	91	19	231	–	–	–
May	28.2	17.4	30.4	15.3	32.2	14.1	77	56	173	105	17	242	–	–	–
June	28.0	16.4	30.0	13.8	31.4	12.4	75	52	93	79	11	225	–	–	–
July	27.8	16.2	30.1	13.5	31.4	11.9	74	50	63	44	10	214	–	–	–
August	28.3	16.2	30.9	13.4	33.1	11.4	72	49	90	60	12	214	–	–	–
September	29.3	16.2	32.0	13.9	34.3	12.8	66	46	82	61	12	228	–	–	–
October	30.4	17.1	33.1	14.9	34.7	13.5	62	42	72	69	12	239	–	–	–
November	30.2	17.3	32.6	14.8	34.4	12.8	64	45	111	128	13	219	–	–	–
December	29.8	17.1	32.3	14.5	35.7	12.0	64	45	107	77	12	254	–	–	–
Year	29.4	17.0	35.0*	12.4*	36.6	11.0	69	47	1311	128	146	2842	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	22	–	–	–

*Average of highest/lowest each year

KENYA

Kitale 01°01′N 35°00′E 1881 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.2	10.5	29.4	7.7	31.1	4.2	69	35	24	36	–	–	–	–	–
February	27.7	11.2	29.9	8.5	31.3	5.0	71	35	37	56	–	–	–	–	–
March	27.1	12.0	29.7	9.5	31.8	6.9	74	41	85	78	–	–	–	–	–
April	25.7	12.9	28.3	10.5	31.7	7.7	81	54	155	99	–	–	–	–	–
May	24.6	12.6	26.8	10.2	30.2	8.3	84	62	166	76	–	–	–	–	–
June	23.9	11.5	26.1	9.2	27.4	7.6	84	59	113	60	–	–	–	–	–
July	22.8	11.6	24.7	9.0	26.6	7.1	87	63	153	70	–	–	–	–	–
August	23.0	11.4	25.6	8.9	26.3	6.4	85	64	175	73	–	–	–	–	–
September	24.2	10.9	26.5	8.7	28.3	5.3	79	59	107	61	–	–	–	–	–
October	25.2	11.4	26.7	9.3	28.9	7.1	73	55	98	67	–	–	–	–	–
November	25.2	11.1	26.7	8.9	28.3	6.2	74	51	69	54	–	–	–	–	–
December	25.9	10.6	27.4	8.1	30.6	5.7	73	43	39	64	–	–	–	–	–
Year	25.2	11.5	30.1*	7.2*	31.8	4.2	78	52	1221	99	–	–	–	–	–
No. of Years	27	27	19	19	19	19	27	27	26	19	–	–	–	–	–

Lamu 02°16′S 40°54′E 30 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.8	24.4	31.2	22.6	33.2	20.7	81	72	6	23	1	285	–	–	–
February	30.3	24.6	31.7	23.1	33.8	20.9	81	72	3	30	1	266	–	–	–
March	31.1	25.6	32.9	23.6	36.4	21.7	79	72	29	73	2	288	–	–	–
April	30.7	25.6	32.4	22.7	34.9	21.1	81	76	144	132	10	237	–	–	–
May	29.1	24.1	30.7	22.0	34.4	20.4	82	78	303	220	17	245	–	–	–
June	28.3	23.3	29.5	21.2	32.8	20.0	79	76	126	76	14	249	–	–	–
July	27.4	22.8	28.2	20.9	28.9	18.9	78	75	79	123	13	248	–	–	–
August	27.4	22.9	28.2	21.3	33.1	20.4	78	74	37	27	8	295	–	–	–
September	27.8	23.3	29.1	21.7	30.3	20.0	78	74	55	219	7	261	–	–	–
October	28.8	24.1	30.3	22.6	31.7	20.8	78	74	47	45	4	304	–	–	–
November	29.8	24.7	31.4	23.1	33.2	20.6	79	74	41	67	4	282	–	–	–
December	30.2	24.7	31.5	22.6	32.6	21.1	79	73	29	99	3	282	–	–	–
Year	29.2	24.2	33.3*	20.5*	36.4	18.9	79	74	199	220	84	3242	–	–	–
No. of Years	28	30	20	22	20	22	30	28	30	22	15	5	–	–	–

Lodwar 03°07′N 35°37′E 513 m

Period 1946–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.3	21.9	37.1	18.3	38.2	14.6	52	31	15	101	1	319	–	–	–
February	36.2	23.0	38.1	19.9	38.9	15.0	52	31	9	27	2	280	–	–	–
March	36.0	24.1	38.1	20.5	39.6	18.9	56	35	25	72	3	282	–	–	–
April	34.7	24.1	37.4	20.5	39.8	17.5	64	42	59	59	5	279	–	–	–
May	34.8	24.5	36.5	21.4	37.7	18.6	63	41	22	45	3	307	–	–	–
June	34.1	23.8	35.7	21.3	37.1	19.5	61	39	4	13	1	297	–	–	–
July	33.1	23.5	34.8	21.2	36.7	18.6	62	40	15	51	2	279	–	–	–
August	33.4	23.6	35.1	21.3	36.5	18.2	61	39	13	39	1	310	–	–	–
September	34.8	32.9	36.2	22.0	37.3	18.0	56	34	1	4	1	321	–	–	–
October	35.3	24.4	36.7	22.1	37.2	19.2	53	34	9	78	1	316	–	–	–
November	34.5	23.5	36.3	20.7	37.5	18.7	55	36	19	35	3	282	–	–	–
December	34.5	22.4	36.0	19.3	37.4	16.1	56	35	17	51	2	310	–	–	–
Year	34.7	23.6	38.4*	17.9*	39.8	14.6	58	36	208	101	25	3582	–	–	–
No. of Years	25	25	22	22	22	22	25	25	25	22	15	7	–	–	–

*Average of highest/lowest each year

KENYA

Lokitaung 04°15′N 35°45′E 758 m

Period 1946–54 Bibliography 55, 56	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.6	22.5	34.9	20.4	35.6	18.9	58	48	5	2	< 1	–	–	–	–
February	33.9	23.0	35.7	19.7	36.7	18.3	61	51	21	43	3	–	–	–	–
March	33.5	22.9	35.7	18.9	36.7	15.6	63	51	41	25	5	–	–	–	–
April	31.4	21.3	34.3	18.7	35.9	16.1	71	56	188	97	9	–	–	–	–
May	31.6	22.1	33.7	19.9	34.4	17.2	70	53	36	63	4	–	–	–	–
June	31.6	21.9	33.0	19.9	35.1	18.3	66	49	15	41	1	–	–	–	–
July	31.0	21.2	32.6	18.9	35.6	18.1	68	52	28	43	3	–	–	–	–
August	30.8	20.9	33.7	19.2	36.8	17.8	67	51	10	14	1	–	–	–	–
September	31.9	22.2	33.1	20.2	33.9	18.6	64	47	7	29	1	–	–	–	–
October	32.0	21.9	34.1	19.3	35.1	18.3	66	51	17	25	2	–	–	–	–
November	32.1	22.0	34.0	19.6	35.2	17.8	67	54	18	29	3	–	–	–	–
December	32.1	22.1	34.0	19.2	35.0	14.6	67	51	31	47	3	–	–	–	–
Year	32.1	22.0	36.2*	17.2*	36.8	14.6	66	51	417	97	35	–	–	–	–
No. of Years	9	9	6	6	6	6	9	9	9	6	6	–	–	–	–

Magadi 01°53′S 36°17′E 619 m

Period 1943–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	37.0	23.8	39.4	20.8	41.1	18.9	55	30	33	42	–	–	–	–	–
February	37.1	23.8	39.6	20.2	41.1	17.8	54	29	43	47	–	–	–	–	–
March	36.7	24.1	39.7	20.9	41.1	18.8	57	33	63	91	–	–	–	–	–
April	34.4	23.2	37.4	20.4	39.9	19.2	65	42	104	57	–	–	–	–	–
May	32.9	22.7	35.2	20.5	38.0	19.1	64	44	65	74	–	–	–	–	–
June	32.7	21.2	34.5	19.7	37.0	17.8	57	38	9	34	–	–	–	–	–
July	32.4	21.5	34.4	19.1	36.0	16.1	53	35	3	14	–	–	–	–	–
August	33.2	22.1	35.8	19.4	37.8	16.6	52	34	4	21	–	–	–	–	–
September	35.2	22.7	37.9	20.8	40.0	19.0	50	31	6	13	–	–	–	–	–
October	36.4	23.7	38.6	21.4	39.4	19.0	48	29	18	41	–	–	–	–	–
November	35.4	23.5	38.3	20.5	40.0	18.8	55	35	37	59	–	–	–	–	–
December	35.5	23.0	38.2	20.7	40.6	18.8	57	34	55	73	–	–	–	–	–
Year	34.9	22.9	40.3*	18.4*	41.1	16.1	56	35	440	91	–	–	–	–	–
No. of Years	28	28	22	22	22	22	28	28	28	22	–	–	–	–	–

Makindu 02°17′S 37°50′E 993 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.0	17.2	31.6	14.6	34.0	12.5	82	49	34	84	6	–	–	–	–
February	30.8	17.7	33.1	14.7	34.3	12.7	79	42	27	74	3	–	–	–	–
March	30.7	18.5	33.1	16.2	35.1	14.6	79	44	73	68	7	–	–	–	–
April	29.5	18.3	31.7	16.4	34.4	15.2	80	51	100	64	10	–	–	–	–
May	28.4	16.9	30.6	13.8	32.0	12.0	79	51	27	56	6	–	–	–	–
June	27.5	14.7	29.6	11.8	30.9	9.8	77	46	2	32	1	–	–	–	–
July	26.4	13.7	29.0	11.0	30.5	9.8	77	45	1	4	1	–	–	–	–
August	26.9	14.2	29.5	11.5	32.4	9.9	77	44	1	17	1	–	–	–	–
September	28.5	15.0	30.9	12.0	32.3	11.1	73	39	3	18	1	–	–	–	–
October	29.6	16.8	31.6	13.4	33.2	11.8	74	41	28	43	4	–	–	–	–
November	28.3	17.9	31.1	16.0	32.8	13.7	81	51	174	113	15	–	–	–	–
December	27.4	17.7	29.8	15.7	33.0	14.4	84	57	114	112	14	–	–	–	–
Year	28.6	16.5	33.7*	10.9*	35.1	9.8	79	47	584	113	69	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

*Average of highest/lowest each year

KENYA

Malindi 03°14′S 40°06′E 21 m

Period 1941–54 1962–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	22.8	31.7	20.8	33.0	18.8	80	70	7	19	1	–	–	–	–
February	31.1	23.2	32.3	21.0	34.0	17.0	78	68	9	79	1	–	–	–	–
March	32.3	23.9	34.1	22.2	35.5	21.1	78	68	29	61	4	–	–	–	–
April	31.5	24.1	31.3	21.8	34.7	16.6	81	71	154	127	13	–	–	–	–
May	29.2	23.3	31.2	21.4	32.8	20.6	85	77	337	164	18	–	–	–	–
June	28.4	22.4	29.7	20.3	31.1	18.4	82	75	138	83	12	–	–	–	–
July	27.8	21.7	29.2	19.7	32.0	18.0	83	76	81	58	16	–	–	–	–
August	28.0	21.7	29.0	19.1	30.3	16.7	82	74	70	80	13	–	–	–	–
September	28.9	21.8	30.5	19.3	31.9	17.6	78	69	60	107	10	–	–	–	–
October	29.9	22.2	31.2	19.8	32.4	17.6	78	71	80	129	7	–	–	–	–
November	30.9	22.7	31.8	20.7	33.9	19.6	79	71	57	173	6	–	–	–	–
December	31.1	23.2	32.2	21.4	33.8	20.4	80	70	29	51	5	–	–	–	–
Year	30.0	22.7	34.2*	18.3*	35.5	16.6	80	72	1051	173	106	–	–	–	–
No. of Years	23	23	15	15	15	15	23	23	23	15	8	–	–	–	–

Marsabit 02°19′N 37°59′E 1339 m

Period 1941–55 Bibliography 55, 56	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.3	15.9	28.8	14.1	31.3	13.3	85	68	33	147	4	–	–	–	–
February	26.2	16.2	28.6	14.8	30.0	13.9	89	67	8	3	1	–	–	–	–
March	25.7	16.5	28.6	14.8	30.0	13.9	91	73	61	27	7	–	–	–	–
April	24.8	16.5	27.7	15.0	29.6	13.3	93	79	243	127	17	–	–	–	–
May	24.4	16.2	26.2	14.4	28.9	13.1	93	75	116	165	10	–	–	–	–
June	24.0	14.6	26.1	12.7	27.2	10.7	91	71	11	9	2	–	–	–	–
July	23.7	13.4	25.4	11.9	26.4	10.6	90	71	15	11	5	–	–	–	–
August	23.5	13.2	25.9	10.8	27.8	9.1	89	71	22	47	4	–	–	–	–
September	24.5	13.6	26.9	11.2	29.0	9.6	86	67	17	44	2	–	–	–	–
October	24.7	15.0	26.9	12.9	27.8	12.2	82	68	107	152	9	–	–	–	–
November	23.6	15.8	26.2	14.2	26.8	12.8	93	77	151	62	16	–	–	–	–
December	23.4	15.7	26.2	14.4	27.9	12.9	92	78	67	22	11	–	–	–	–
Year	24.5	15.2	29.6*	10.7*	31.3	9.1	89	72	851	165	88	–	–	–	–
No. of Years	13	13	7	7	7	7	12	12	15	7	7	–	–	–	–

Mombasa 04°02′S 39°37′E 55 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.1	23.3	34.1	21.5	36.9	18.4	78	62	17	49	5	254	–	–	–
February	32.4	23.7	34.4	22.1	36.1	20.6	77	61	10	50	4	255	–	–	–
March	32.6	24.3	34.4	22.5	37.3	20.9	80	63	30	106	8	282	–	–	–
April	31.2	24.0	33.6	22.1	35.1	21.1	84	69	108	120	16	231	–	–	–
May	29.2	22.7	31.7	21.0	33.8	20.2	87	72	149	112	18	201	–	–	–
June	28.5	21.5	30.1	19.4	31.5	17.5	86	68	54	43	13	231	–	–	–
July	27.7	20.5	29.4	18.5	30.7	17.6	87	68	34	37	14	211	–	–	–
August	27.9	20.6	29.5	18.2	30.9	14.1	87	68	47	75	15	248	–	–	–
September	28.8	21.0	30.7	19.0	32.0	17.6	84	65	46	150	13	255	–	–	–
October	29.6	22.1	31.4	20.0	32.8	17.7	82	66	62	103	13	273	–	–	–
November	30.5	23.1	32.3	21.4	33.5	20.0	82	68	66	105	11	276	–	–	–
December	31.6	23.6	33.6	21.9	34.8	21.2	80	66	32	69	10	270	–	–	–
Year	30.2	22.5	35.1*	17.9*	37.3	14.1	83	66	655	150	140	2987	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	14	–	–	–

*Average of highest/lowest each year

KENYA

Moyale 03°32′N 39°03′E 1107 m

Period 1942–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.1	18.3	32.3	16.0	36.7	14.0	57	36	16	40	3	–	–	–	–
February	31.3	19.1	33.3	16.8	35.0	12.9	56	34	17	41	3	–	–	–	–
March	30.2	19.0	32.7	17.0	34.1	10.6	71	44	60	69	7	–	–	–	–
April	27.1	18.5	30.0	16.6	32.4	14.4	88	63	200	147	17	–	–	–	–
May	25.0	17.6	27.2	16.2	29.6	13.4	91	69	125	89	16	–	–	–	–
June	24.3	16.3	26.7	15.0	29.5	12.8	84	62	16	23	6	–	–	–	–
July	23.8	15.7	26.5	14.5	28.3	12.2	80	61	16	35	6	–	–	–	–
August	24.3	15.8	27.4	14.2	29.3	10.8	79	57	20	72	5	–	–	–	–
September	26.0	16.4	28.9	14.9	31.0	14.0	77	52	19	36	4	–	–	–	–
October	26.2	17.2	29.4	15.7	31.5	14.4	85	59	111	145	13	–	–	–	–
November	27.0	17.5	29.2	16.2	32.6	15.4	81	56	93	64	13	–	–	–	–
December	28.5	17.7	30.8	16.1	33.0	14.0	69	47	41	83	6	–	–	–	–
Year	27.0	17.4	33.7*	13.7*	36.7	10.6	77	53	734	147	99	–	–	–	–
No. of Years	29	29	22	22	22	22	29	29	29	22	22	–	–	–	–

Nairobi 01°19′S 36°55′E 1616 m

Period 1945–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.7	12.9	29.2	9.2	32.2	4.7	76	42	49	60	5	273	–	–	–
February	27.9	13.1	30.1	9.9	31.8	7.4	75	38	36	70	4	263	–	–	–
March	27.5	14.1	29.9	11.0	32.1	7.9	82	43	85	66	8	270	–	–	–
April	26.0	14.9	28.5	12.5	31.5	9.8	86	53	153	102	16	219	–	–	–
May	24.5	14.3	26.8	11.0	28.8	6.3	86	58	126	74	14	183	–	–	–
June	23.7	12.3	26.6	8.3	28.9	6.1	85	54	32	75	5	177	–	–	–
July	22.6	11.4	26.1	7.4	28.1	4.6	85	55	13	27	4	133	–	–	–
August	23.0	11.5	27.2	7.4	29.7	4.4	84	53	18	38	5	130	–	–	–
September	25.6	12.0	28.8	8.3	31.1	4.2	80	44	21	56	4	174	–	–	–
October	26.6	13.3	29.3	10.0	30.4	5.4	78	42	48	81	7	220	–	–	–
November	24.9	14.0	27.8	11.5	30.2	9.0	85	53	132	54	16	210	–	–	–
December	25.3	13.5	27.7	10.6	29.6	7.9	82	50	75	112	11	251	–	–	–
Year	25.4	13.1	30.9*	6.8*	32.2	4.2	82	49	788	112	99	2503	–	–	–
No. of Years	26	26	22	22	22	22	26	26	26	22	15	8	–	–	–

Nakuru 00°16′S 36°04′E 1863 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.9	7.9	29.9	3.8	31.7	0.8	68	32	22	66	–	245	–	–	–
February	28.9	8.3	30.5	4.6	32.8	1.3	67	30	25	42	–	235	–	–	–
March	28.5	9.4	30.6	5.9	32.8	2.2	71	34	62	52	–	223	–	–	–
April	26.3	11.0	28.9	7.2	32.1	4.6	81	50	143	68	–	180	–	–	–
May	25.3	10.9	27.4	7.3	31.7	4.5	83	53	116	66	–	208	–	–	–
June	24.8	9.4	27.0	5.5	28.3	2.7	83	49	83	39	–	237	–	–	–
July	24.1	9.7	26.6	5.4	28.9	1.0	82	51	99	63	–	233	–	–	–
August	24.3	9.5	26.6	5.6	28.4	3.0	82	51	113	54	–	214	–	–	–
September	25.3	8.4	27.6	5.1	29.4	2.0	78	46	78	54	–	216	–	–	–
October	25.9	8.5	28.1	5.2	30.0	2.5	74	48	63	29	–	195	–	–	–
November	25.1	9.3	27.2	5.8	29.8	3.4	77	51	68	54	–	165	–	–	–
December	26.2	8.6	28.3	4.9	30.6	2.7	73	41	36	35	–	233	–	–	–
Year	26.1	9.2	31.1*	3.2*	32.8	0.8	77	45	908	68	–	2584	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	–	5	–	–	–

*Average of highest/lowest each year

KENYA

Nanyuki 00°01′N 37°04′E 1937 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.8	7.1	26.8	3.3	28.1	0.7	64	39	20	31	5	226	–	–	–
February	25.8	7.4	28.0	3.8	29.5	2.2	60	36	23	37	3	213	–	–	–
March	25.4	8.8	27.1	5.8	30.3	4.2	66	44	62	44	9	198	–	–	–
April	23.6	10.4	26.6	7.3	29.1	6.1	77	62	128	60	18	156	–	–	–
May	23.1	9.9	26.0	7.2	30.3	5.0	76	63	86	51	15	183	–	–	–
June	23.1	8.5	25.5	5.8	27.8	3.9	74	54	44	42	7	195	–	–	–
July	22.5	8.4	25.4	5.4	26.3	3.8	76	54	57	38	9	174	–	–	–
August	22.7	8.4	25.5	5.3	27.0	3.3	75	54	66	44	10	180	–	–	–
September	24.0	7.9	26.4	5.5	28.9	4.1	68	50	49	44	10	186	–	–	–
October	23.5	8.7	26.1	5.9	28.1	3.1	71	56	84	61	14	164	–	–	–
November	22.1	9.4	24.7	6.2	26.7	4.4	77	61	95	43	16	123	–	–	–
December	23.0	8.0	25.4	4.1	27.1	1.9	73	52	46	33	11	174	–	–	–
Year	23.6	8.6	27.7*	2.8*	30.3	0.7	71	52	760	61	127	2172	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	19	–	–	–

Voi 03°24′S 38°34′E 557 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.6	20.3	34.3	17.6	36.6	15.5	78	46	29	52	6	–	–	–	–
February	33.1	20.3	35.5	17.3	37.3	13.0	75	41	31	99	4	–	–	–	–
March	33.3	20.8	35.7	18.2	37.2	15.4	76	43	86	127	7	–	–	–	–
April	31.8	20.9	34.2	19.0	36.1	17.7	75	50	84	74	10	–	–	–	–
May	29.9	20.0	32.7	17.4	35.0	12.7	73	51	25	43	6	–	–	–	–
June	29.1	18.4	31.7	15.9	33.4	13.4	70	45	5	17	1	–	–	–	–
July	28.0	17.4	30.8	15.0	33.0	13.3	70	44	3	18	2	–	–	–	–
August	27.9	17.3	31.0	14.3	33.3	9.6	72	45	6	20	3	–	–	–	–
September	29.2	17.7	32.2	15.4	33.5	13.4	70	43	17	45	4	–	–	–	–
October	30.9	18.9	33.5	16.5	35.1	14.4	70	42	33	52	5	–	–	–	–
November	31.3	20.1	33.7	17.2	35.2	15.0	74	48	103	125	11	–	–	–	–
December	30.8	20.5	33.0	18.2	34.6	16.0	79	51	109	102	15	–	–	–	–
Year	30.6	19.4	36.2*	14.0*	37.3	9.6	73	46	531	127	74	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

Wajir 01°45′N 40°04′E 243 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.2	21.5	36.9	18.9	38.9	14.5	74	42	7	58	1	–	–	–	–
February	36.1	22.3	38.0	20.5	39.5	17.8	73	41	4	18	1	–	–	–	–
March	35.9	23.6	37.6	21.4	39.0	18.9	74	44	33	98	3	–	–	–	–
April	34.0	23.5	36.7	20.9	38.3	19.4	79	53	90	128	8	–	–	–	–
May	33.1	22.6	34.8	21.0	38.3	19.0	76	52	39	216	3	–	–	–	–
June	32.5	21.2	34.2	19.5	37.2	17.2	73	49	2	21	1	–	–	–	–
July	31.5	20.8	33.5	18.7	35.0	16.0	74	48	2	11	1	–	–	–	–
August	32.0	20.9	34.2	18.7	39.0	15.8	72	46	2	13	1	–	–	–	–
September	32.9	21.2	34.9	19.4	36.0	18.5	71	47	5	40	1	–	–	–	–
October	33.5	22.0	35.4	20.4	37.0	16.4	74	48	28	45	2	–	–	–	–
November	33.0	22.2	34.9	20.2	37.0	15.0	80	53	79	190	7	–	–	–	–
December	33.5	22.1	35.6	19.7	38.0	18.3	79	51	32	75	3	–	–	–	–
Year	33.6	22.0	38.3*	17.2*	39.5	14.5	75	48	323	216	32	–	–	–	–
No. of Years	30	30	22	22	22	22	29	29	29	22	15	–	–	–	–

*Average of highest/lowest each year

LESOTHO

Maseru 29°19′S 27°29′E 1528 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.1	14.3	32.7	9.4	36.7	3.0	65	37	114	86	13	287	67	–	< 1
February	27.1	13.9	31.5	8.6	35.6	3.5	74	42	89	45	10	263	71	–	< 1
March	24.9	12.0	29.6	6.9	33.9	1.6	79	43	96	53	11	259	68	–	< 1
April	21.4	7.8	26.0	1.4	30.3	−2.2	79	42	67	63	8	241	69	–	1
May	18.0	3.3	23.1	−2.0	27.4	−5.5	79	38	29	48	6	247	75	–	< 1
June	15.3	−0.3	19.7	−5.5	23.3	−8.5	79	35	12	36	3	232	75	–	< 1
July	15.9	−0.7	20.3	−5.3	22.0	−9.6	75	32	14	29	3	254	78	–	< 1
August	18.8	1.6	24.4	−4.5	26.7	−7.9	63	27	15	40	3	279	81	–	< 1
September	22.7	5.7	28.2	−1.5	30.8	−6.4	55	24	19	52	3	278	77	–	< 1
October	24.4	9.3	30.9	1.7	33.9	−3.4	57	30	63	53	8	276	70	–	< 1
November	25.9	11.6	31.5	5.7	34.4	3.1	61	34	80	49	10	279	68	–	< 1
December	27.5	13.3	31.4	8.2	36.8	2.2	60	35	93	47	10	307	70	–	< 1
Year	22.5	7.7	34.1*	3.1*	36.8	−9.6	69	35	691	86	88	3202	72	–	1
No. of Years	29	29	29	29	29	29	29	28	30	28	14	13	13	–	13

Mohaleshoek 30°09′S 27°28′E 1600 m

Period 1941–70 Bibliography 16, 17, 84	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.9	15.6	33.4	9.9	37.2	4.4	54	30	109	96	–	–	–	–	–
February	27.3	15.0	31.5	9.5	35.0	2.8	65	37	108	81	–	–	–	–	–
March	25.3	13.1	29.9	7.0	32.2	3.3	65	36	101	54	–	–	–	–	–
April	20.7	9.1	26.5	1.6	31.5	−2.5	69	36	66	33	–	–	–	–	–
May	17.2	5.6	23.1	−0.6	29.6	−5.0	66	37	39	46	–	–	–	–	–
June	15.5	2.4	17.1	−2.8	23.3	−5.6	64	39	16	26	–	–	–	–	–
July	16.0	2.5	20.4	−3.4	23.4	−6.1	61	31	15	29	–	–	–	–	–
August	19.0	5.1	24.1	−2.1	26.5	−5.6	52	27	17	44	–	–	–	–	–
September	22.4	8.5	27.8	−0.2	30.1	−5.6	47	22	28	53	–	–	–	–	–
October	24.3	10.7	30.6	2.0	33.2	−2.2	46	25	66	48	–	–	–	–	–
November	26.1	12.9	31.6	6.1	35.0	2.8	53	32	87	49	–	–	–	–	–
December	27.8	14.3	33.1	7.1	35.6	−0.5	51	29	98	37	–	–	–	–	–
Year	22.5	9.6	34.4*	−4.2*	37.2	−6.1	58	32	750	96	–	–	–	–	–
No. of Years	24	24	24	24	24	24	10	8	30	23	–	–	–	–	–

---

*Average of highest/lowest each year

LIBERIA

Cocoapa/Cacaopa 07°00’N 08°52’W Height not known

Period 1953–63 Bibliography 59	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	36.4	14.8	39.6	9.1	41.1	2.2	–	–	17	35	–	–	–	–	–
February	37.4	16.0	40.6	11.8	42.8	5.0	–	–	71	34	–	–	–	–	–
March	37.3	16.6	40.5	14.7	41.7	11.7	–	–	167	115	–	–	–	–	–
April	37.1	17.4	39.7	15.3	40.6	12.2	–	–	156	75	–	–	–	–	–
May	36.3	18.2	39.7	16.1	42.2	12.2	–	–	185	67	–	–	–	–	–
June	34.3	16.7	37.6	15.0	39.4	10.0	–	–	270	114	–	–	–	–	–
July	31.1	15.8	36.1	13.4	38.9	7.8	–	–	250	79	–	–	–	–	–
August	32.2	15.5	36.8	14.3	37.8	9.4	–	–	253	72	–	–	–	–	–
September	33.7	15.9	38.1	14.3	39.4	8.9	–	–	403	163	–	–	–	–	–
October	36.2	14.8	39.1	12.8	41.1	8.3	–	–	244	65	–	–	–	–	–
November	36.1	16.1	38.0	13.4	41.1	8.3	–	–	126	76	–	–	–	–	–
December	34.2	14.6	37.5	9.1	40.0	5.0	–	–	33	25	–	–	–	–	–
Year	35.2	16.0	41.0*	6.1*	42.8	2.2	–	–	2175	163	–	–	–	–	–
No. of Years	8	7	8	7	8	7	–	–	9	9	–	–	–	–	–

Greenville 05°04’N 09°05’W Height not known

Period 1953–63 Bibliography 59	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.4	–	34.5	–	36.7	–	–	–	141	102	–	–	–	–	–
February	32.4	–	34.3	–	36.1	–	–	–	139	203	–	–	–	–	–
March	32.4	–	34.6	–	36.1	–	–	–	234	107	–	–	–	–	–
April	31.4	–	35.1	–	36.7	–	–	–	213	72	–	–	–	–	–
May	30.4	–	34.2	–	36.1	–	–	–	560	164	–	–	–	–	–
June	29.8	–	33.0	–	35.0	–	–	–	786	251	–	–	–	–	–
July	29.3	–	32.7	–	35.0	–	–	–	354	203	–	–	–	–	–
August	28.6	–	31.6	–	33.9	–	–	–	245	152	–	–	–	–	–
September	28.3	–	30.9	–	32.2	–	–	–	621	174	–	–	–	–	–
October	29.6	–	33.1	–	36.1	–	–	–	719	203	–	–	–	–	–
November	31.4	–	33.6	–	36.1	–	–	–	313	137	–	–	–	–	–
December	31.3	–	34.2	–	36.1	–	–	–	290	209	–	–	–	–	–
Year	30.6	–	35.6*	–	36.7	–	–	–	4615	251	–	–	–	–	–
No. of Years	9	–	9	–	9	–	–	–	9	9	–	–	–	–	–

Monrovia 06°18’N 10°48’W 23 m

Period 1953–70 Bibliography 59, 60	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of davs with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.3	22.7	31.2	19.7	31.2	12.8	94	84	37	100	3	178	–	–	–
February	29.4	23.1	31.4	21.0	33.9	18.3	93	87	58	110	3	176	–	–	–
March	30.1	23.6	32.0	20.9	32.0	18.3	93	86	94	183	6	205	–	–	–
April	30.2	23.4	32.3	20.3	36.7	15.6	92	86	164	102	10	194	–	–	–
May	29.8	23.3	31.6	20.1	33.9	10.0	93	87	182	184	17	161	–	–	–
June	27.9	22.9	30.8	20.3	35.0	18.3	93	89	934	307	23	108	–	–	–
July	27.3	22.5	29.6	20.1	34.4	15.6	92	89	822	363	19	94	–	–	–
August	27.3	22.7	29.2	20.8	30.6	18.3	92	89	442	225	18	106	–	–	–
September	27.5	22.4	29.9	20.5	32.8	18.3	93	89	684	273	21	118	–	–	–
October	28.5	22.8	31.0	20.4	33.3	14.4	93	88	633	284	20	125	–	–	–
November	29.2	23.1	31.3	20.9	32.8	16.1	93	86	237	78	15	166	–	–	–
December	29.2	23.2	31.3	20.6	34.4	13.9	94	86	126	102	8	156	–	–	–
Year	28.8	23.0	33.3*	17.4*	36.7	10.0	93	87	4413	363	163	1787	–	–	–
No. of Years	17	17	17	17	17	17	15	14	17	17	15	6	–	–	–

*Average of highest/lowest each year

LIBYA

Ajdābiyah (formerly Agedabia) 30°45′N 20°13′E 59 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.9	7.8	22.4	3.8	27.5	1.3	82	60	39	37	9	–	–	–	–
February	19.3	8.3	26.9	3.4	32.2	1.9	80	54	20	29	4	–	–	–	–
March	22.0	10.3	31.4	5.4	39.0	4.0	75	46	8	9	3	–	–	–	–
April	25.9	12.9	36.7	6.9	38.6	4.3	69	39	1	6	1	–	–	–	–
May	29.8	16.1	40.9	9.6	47.4	8.0	64	37	6	48	1	–	–	–	–
June	33.3	19.3	42.9	14.2	44.1	12.0	61	34	0	0	0	–	–	–	–
July	32.1	19.4	39.4	16.3	43.9	15.0	77	45	< 1	< 1	< 1	–	–	–	–
August	32.6	19.7	38.8	17.3	43.0	15.5	79	46	0	0	0	–	–	–	–
September	31.6	18.6	37.7	14.5	42.1	12.4	76	41	1	5	1	–	–	–	–
October	29.2	16.3	36.0	11.5	40.3	9.4	74	41	5	18	2	–	–	–	–
November	24.7	12.8	32.0	7.8	37.8	3.6	77	48	10	16	3	–	–	–	–
December	19.6	9.3	25.6	4.8	30.6	2.2	81	58	46	27	9	–	–	–	–
Year	26.5	14.2	43.6*	2.7*	47.4	1.3	75	46	136	48	33	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

Al'Adam (El Adem) 31°51′N 23°55′E 156 m

Period 1945–70 Bibliography 64	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.5	6.4	21.6	2.4	25.1	0.0	83	50	18	24	7	–	–	–	–
February	17.9	7.0	26.1	2.8	30.6	0.6	79	43	12	21	4	–	–	–	–
March	20.4	8.6	31.1	4.0	40.0	0.6	77	41	12	21	5	–	–	–	–
April	24.1	11.7	35.4	6.5	39.9	4.5	70	36	3	18	2	–	–	–	–
May	27.3	15.1	38.9	10.2	45.6	8.0	69	36	4	18	2	–	–	–	–
June	30.0	18.4	40.3	14.5	45.4	12.2	69	36	< 1	1	< 1	–	–	–	–
July	30.3	19.8	37.2	17.2	42.8	15.7	75	41	< 1	< 1	< 1	–	–	–	–
August	31.1	20.3	37.6	17.4	44.7	14.9	80	41	< 1	< 1	< 1	–	–	–	–
September	29.0	18.9	36.5	14.7	40.6	12.2	81	42	2	13	1	–	–	–	–
October	26.1	15.4	34.0	11.0	38.3	8.5	80	44	13	32	3	–	–	–	–
November	22.2	11.9	29.4	7.1	35.0	3.0	81	45	13	54	4	–	–	–	–
December	18.0	7.7	24.0	3.7	29.1	0.6	82	50	18	27	6	–	–	–	–
Year	24.4	13.4	41.6*	1.6*	45.6	0.0	77	42	95	54	34	–	–	–	–
No. of Years	25	25	25	25	25	25	23	23	25	25	25	–	–	–	–

Al'Azīzīyah (formerly Azizia) 32°32′N 13°01′E 110 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	19.0	5.9	26.5	1.7	30.6	0.2	73	53	46	76	6	–	–	–	–
February	20.8	6.2	29.9	1.9	35.3	0.2	70	49	29	34	3	–	–	–	–
March	22.6	7.8	32.9	2.8	38.4	0.8	70	51	17	29	3	–	–	–	–
April	25.9	10.9	37.1	4.7	38.4	1.8	65	43	23	34	4	–	–	–	–
May	30.3	14.6	41.7	8.1	44.8	4.6	62	39	2	5	1	–	–	–	–
June	34.4	18.4	43.9	12.1	45.8	8.6	56	32	1	3	< 1	–	–	–	–
July	35.9	19.5	44.4	13.9	47.0	8.6	61	32	< 1	1	< 1	–	–	–	–
August	35.9	19.9	43.8	15.3	47.6	11.4	66	35	0	0	0	–	–	–	–
September	32.9	18.5	40.7	14.1	44.5	10.8	71	40	10	51	1	–	–	–	–
October	28.8	14.9	36.5	9.1	40.5	6.6	72	45	32	110	3	–	–	–	–
November	25.1	11.2	33.3	3.9	36.2	1.5	69	47	18	25	4	–	–	–	–
December	20.2	7.1	27.5	2.3	30.6	0.2	74	53	39	51	6	–	–	–	–
Year	27.7	12.9	45.7*	1.2*	47.6	0.2	67	43	217	110	31	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

*Average of highest/lowest each year

LIBYA

Al'Jaghbūb (formerly Giarabub) 29°45'N 24° 31'E 15 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	—	—							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	—	—	—	—	—	—	—	—	3	—	1	—	—	—	—
February	—	—	—	—	—	—	—	—	1	—	< 1	—	—	—	—
March	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—
April	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
May	—	—	—	—	—	—	—	—	1	—	< 1	—	—	—	—
June	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
July	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
August	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
September	—	—	—	—	—	—	—	—	1	—	< 1	—	—	—	—
October	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
November	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
December	—	—	—	—	—	—	—	—	4	—	2	—	—	—	—
Year	—	—	—	—	—	—	—	—	11	—	4	—	—	—	—
No. of Years	—	—	—	—	—	—	—	—	12	—	12	—	—	—	—

Al'Kufrah 24°11'N 23°24'E 445 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	—	—							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
February	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
March	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
April	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
May	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
June	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
July	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
August	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
September	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
October	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
November	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
December	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
Year	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
No. of Years	—	—	—	—	—	—	—	—	12	—	12	—	—	—	—

Al'Uqaylah (formerly Agheila) 30° 16'N 19°13'E 12 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	—	—							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	—	—	—	—	—	—	—	—	24	—	4	—	—	—	—
February	—	—	—	—	—	—	—	—	9	—	3	—	—	—	—
March	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—
April	—	—	—	—	—	—	—	—	< 1	—	< 1	—	—	—	—
May	—	—	—	—	—	—	—	—	1	—	< 1	—	—	—	—
June	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
July	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
August	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—
September	—	—	—	—	—	—	—	—	2	—	< 1	—	—	—	—
October	—	—	—	—	—	—	—	—	8	—	1	—	—	—	—
November	—	—	—	—	—	—	—	—	6	—	2	—	—	—	—
December	—	—	—	—	—	—	—	—	27	—	4	—	—	—	—
Year	—	—	—	—	—	—	—	—	78	—	15	—	—	—	—
No. of Years	—	—	—	—	—	—	—	—	12	—	12	—	—	—	—

*Average of highest/lowest each year

LIBYA

Banghāzī 32°06′N 20°04′E 25 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	–	–	–	–	–	–	–	–	66	–	9	–	–	–	–
February	–	–	–	–	–	–	–	–	34	–	6	–	–	–	–
March	–	–	–	–	–	–	–	–	12	–	3	–	–	–	–
April	–	–	–	–	–	–	–	–	4	–	2	–	–	–	–
May	–	–	–	–	–	–	–	–	2	–	1	–	–	–	–
June	–	–	–	–	–	–	–	–	< 1	–	< 1	–	–	–	–
July	–	–	–	–	–	–	–	–	0	–	0	–	–	–	–
August	–	–	–	–	–	–	–	–	0	–	0	–	–	–	–
September	–	–	–	–	–	–	–	–	2	–	< 1	–	–	–	–
October	–	–	–	–	–	–	–	–	13	–	3	–	–	–	–
November	–	–	–	–	–	–	–	–	11	–	3	–	–	–	–
December	–	–	–	–	–	–	–	–	54	–	10	–	–	–	–
Year	–	–	–	–	–	–	–	–	198	–	37	–	–	–	–
No. of Years	–	–	–	–	–	–	–	–	11	–	11	–	–	–	–

Banī Walīd (Béni Ulíd) 31°45′N 14°00′E 229 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.1	6.0	24.1	1.8	30.0	0.1	63	46	11	30	2	–	–	–	–
February	20.6	7.5	27.7	2.8	34.5	0.5	59	39	6	20	1	–	–	–	–
March	23.7	9.2	32.3	4.1	36.0	1.5	55	35	5	18	1	–	–	–	–
April	27.1	11.7	36.7	6.3	41.5	4.0	55	32	10	35	1	–	–	–	–
May	31.7	15.3	41.5	10.1	45.8	5.8	51	27	4	13	1	–	–	–	–
June	35.9	19.0	44.1	13.8	46.5	9.5	52	25	0	0	0	–	–	–	–
July	38.1	20.7	45.0	15.7	47.5	13.5	53	23	0	0	0	–	–	–	–
August	37.3	20.8	43.8	17.6	49.0	15.0	56	25	1	5	< 1	–	–	–	–
September	34.2	18.6	41.0	15.5	45.5	11.5	64	31	11	24	1	–	–	–	–
October	29.2	15.5	36.5	10.8	39.5	8.5	61	33	9	18	2	–	–	–	–
November	24.9	11.7	31.6	6.2	38.0	3.0	59	37	3	8	1	–	–	–	–
December	18.9	6.9	25.5	2.6	28.0	0.1	61	43	14	21	2	–	–	–	–
Year	28.3	13.6	46.5*	1.5*	49.0	0.1	57	33	74	35	12	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

Darnah (Derna) 32°46′N 22°39′E 10 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.7	10.7	22.7	7.3	29.6	5.4	76	65	64	48	11	–	–	–	–
February	18.2	10.9	26.0	7.2	29.0	5.0	72	63	45	43	8	–	–	–	–
March	19.7	11.9	30.7	7.7	41.0	5.0	72	62	26	44	6	–	–	–	–
April	21.7	13.8	34.3	10.1	37.8	8.9	69	63	10	29	3	–	–	–	–
May	24.3	16.1	38.9	11.7	44.0	8.7	67	64	5	12	2	–	–	–	–
June	27.5	19.8	37.9	16.0	43.8	15.0	67	65	< 1	3	< 1	–	–	–	–
July	28.4	22.4	32.7	19.3	41.7	17.2	75	69	0	0	0	–	–	–	–
August	29.0	23.1	33.2	20.3	38.2	18.8	75	69	0	0	0	–	–	–	–
September	27.6	21.5	34.1	18.2	40.0	14.5	73	67	8	61	1	–	–	–	–
October	26.7	18.9	34.2	14.9	39.0	12.8	71	61	51	146	5	–	–	–	–
November	23.7	15.9	31.1	12.0	37.8	10.0	73	59	24	47	5	–	–	–	–
December	19.2	12.3	25.5	8.9	30.6	3.3	72	62	57	32	9	–	–	–	–
Year	23.6	16.4	40.1*	6.2*	44.0	3.3	72	64	290	146	50	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

*Average of highest/lowest each year

LIBYA

Hūn 29°08′N 15°56′E 207 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						per cent		millimetres			hours		hours	
January	19.2	2.9	27.7	−2.8	30.6	−6.8	77	46	2	9	1	–	–	–	–
February	21.7	3.9	30.0	−1.5	33.9	−3.3	75	41	2	9	1	–	–	–	–
March	24.8	6.7	35.7	−0.3	40.0	−3.3	69	32	2	7	1	–	–	–	–
April	29.0	11.3	38.8	3.7	42.0	1.6	64	28	2	7	1	–	–	–	–
May	33.3	14.6	42.9	8.0	47.2	6.1	59	25	3	9	1	–	–	–	–
June	37.6	18.6	44.3	13.2	46.1	10.0	54	22	1	5	< 1	–	–	–	–
July	37.3	18.5	43.3	14.9	46.7	11.7	61	25	0	0	0	–	–	–	–
August	36.7	18.4	42.2	14.5	46.7	10.0	67	27	< 1	1	< 1	–	–	–	–
September	34.7	17.4	40.5	12.9	43.3	10.0	69	30	6	20	1	–	–	–	–
October	30.1	13.6	37.5	6.5	41.1	5.0	74	36	9	24	3	–	–	–	–
November	25.8	8.9	32.8	2.1	36.1	1.0	73	37	4	12	2	–	–	–	–
December	20.1	4.6	27.9	−2.5	32.2	−0.9	75	42	4	12	2	–	–	–	–
Year	29.2	11.6	45.1*	−1.9*	47.2	−6.8	68	33	35	24	13	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

Idris 32°41′N 13°10′E 277 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1.mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						per cent		millimetres			hours		hours	
January	17.6	7.1	25.1	2.8	29.2	0.9	78	50	55	68	7	–	–	–	–
February	19.7	7.0	29.1	1.8	35.3	0.3	76	43	31	37	5	–	–	–	–
March	21.8	8.6	33.1	2.9	38.0	0.6	76	41	19	18	4	–	–	–	–
April	25.3	11.8	36.9	4.8	43.9	3.0	69	37	27	39	4	–	–	–	–
May	29.3	15.0	41.7	7.9	43.9	5.0	64	34	1	5	1	–	–	–	–
June	33.8	19.2	44.1	12.1	46.5	10.0	60	32	1	5	1	–	–	–	–
July	35.4	20.0	44.5	14.7	47.2	12.6	64	31	< 1	3	< 1	–	–	–	–
August	35.5	20.5	43.9	16.3	48.3	14.0	69	34	< 1	1	< 1	–	–	–	–
September	32.7	19.3	41.3	14.8	45.0	12.0	76	38	18	88	2	–	–	–	–
October	28.4	16.1	36.9	10.3	39.1	6.6	79	42	34	49	5	–	–	–	–
November	24.1	11.7	33.0	5.4	36.9	3.3	74	43	26	38	5	–	–	–	–
December	18.7	8.3	25.9	3.4	28.6	1.0	76	52	73	49	8	–	–	–	–
Year	26.9	13.7	46.0*	1.4*	48.3	0.3	72	40	285	88	42	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

Misrātah (formerly Misuráta) 32°23′N 15°05′E 10 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						per cent		millimetres			hours		hours	
January	18.8	8.8	25.4	4.0	33.2	1.0	79	58	58	39	8	–	–	–	–
February	20.1	9.2	28.3	4.5	36.1	2.6	77	53	25	29	5	–	–	–	–
March	20.9	11.2	32.1	6.3	38.0	4.0	78	54	19	29	4	–	–	–	–
April	23.1	13.5	35.6	8.7	42.2	7.0	77	55	14	28	3	–	–	–	–
May	26.3	16.3	38.7	11.4	42.8	10.0	76	52	3	11	1	–	–	–	–
June	29.8	19.9	40.9	15.6	45.6	13.9	78	53	1	2	1	–	–	–	–
July	31.9	21.8	42.0	18.5	45.4	16.7	79	54	< 1	< 1	< 1	–	–	–	–
August	32.4	22.4	40.5	20.0	45.6	18.9	81	55	1	11	< 1	–	–	–	–
September	30.6	21.4	37.9	18.1	41.2	16.5	80	56	8	36	2	–	–	–	–
October	28.1	18.1	36.1	12.7	38.1	10.0	81	54	43	58	6	–	–	–	–
November	24.9	14.1	32.1	7.9	35.1	6.1	77	53	19	33	5	–	–	–	–
December	20.2	10.1	27.3	4.2	32.4	1.6	79	58	75	64	10	–	–	–	–
Year	25.6	15.6	44.4*	3.2*	45.6	1.0	79	55	266	64	45	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

*Average of highest/lowest each year

LIBYA

Mizdah 31°26′N 13°02′E 518 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.1	4.2	23.3	0.1	27.5	−1.0	63	44	6	26	1	–	–	–	–
February	20.0	5.4	27.9	0.8	33.6	−2.0	56	37	4	13	1	–	–	–	–
March	22.7	7.6	31.7	2.9	37.5	0.5	55	35	8	21	1	–	–	–	–
April	26.4	11.0	36.6	4.9	40.0	3.5	48	28	12	35	1	–	–	–	–
May	31.6	14.9	40.6	8.8	45.5	7.0	45	27	4	13	1	–	–	–	–
June	35.7	19.0	42.7	13.9	45.0	10.5	41	23	1	4	< 1	–	–	–	–
July	38.0	20.3	44.0	16.0	46.5	15.0	41	22	0	0	0	–	–	–	–
August	36.9	20.3	42.9	16.7	46.0	15.0	49	22	1	8	< 1	–	–	–	–
September	33.6	18.2	40.0	14.9	43.0	12.5	58	29	5	14	1	–	–	–	–
October	28.8	14.7	36.6	8.4	39.5	4.5	53	33	5	12	1	–	–	–	–
November	23.9	8.9	31.8	4.1	35.5	1.5	56	36	3	6	1	–	–	–	–
December	18.1	5.0	24.6	1.1	27.5	−2.0	63	44	16	29	2	–	–	–	–
Year	27.7	12.5	44.8*	−0.3*	46.5	−2.0	52	32	65	35	10	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

Nālūt 31°51′N 11°00′E 639 m

Period 1944–49 1955–66 Bibliography 61, 62, 63	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	14.1	5.4	21.6	3.1	26.1	−1.4	73	51	13	18	4	–	–	–	–
February	16.9	6.9	25.8	1.0	31.6	−3.3	64	41	16	13	2	–	–	–	–
March	19.7	8.6	29.3	2.7	34.0	0.0	65	41	22	90	3	–	–	–	–
April	22.9	11.2	34.0	5.8	39.4	4.4	66	37	22	69	3	–	–	–	–
May	27.5	15.9	38.3	9.3	41.4	7.4	59	33	6	5	1	–	–	–	–
June	32.2	19.1	40.4	13.3	41.7	11.0	59	33	1	8	< 1	–	–	–	–
July	34.1	21.2	41.2	16.0	42.8	12.8	58	33	< 1	1	< 1	–	–	–	–
August	34.2	21.3	40.6	16.8	43.3	15.0	63	35	1	0	0	–	–	–	–
September	30.6	19.0	37.9	14.9	41.2	13.0	72	40	3	15	1	–	–	–	–
October	25.5	14.9	33.4	8.7	35.6	5.2	73	44	15	30	3	–	–	–	–
November	20.6	10.7	28.9	4.4	32.0	1.0	69	45	14	29	2	–	–	–	–
December	15.0	6.3	22.4	1.4	28.8	−2.0	70	54	19	37	3	–	–	–	–
Year	24.4	13.4	42.0*	−0.7*	43.3	−3.3	66	41	131	90	22	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	18	12	18	–	–	–	–

Shahhāt (formerly Cyrene) 32°49′N 21°52′E 436 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	12.7	6.5	18.8	2.7	25.4	1.0	83	71	131	63	15	–	–	–	–
February	13.7	6.7	21.1	2.6	26.1	0.6	79	66	91	47	12	–	–	–	–
March	15.7	7.8	25.6	2.6	34.0	1.1	78	65	64	33	8	–	–	–	–
April	19.6	9.8	29.7	4.9	35.0	2.9	71	57	16	25	5	–	–	–	–
May	23.8	12.8	35.2	7.9	42.0	7.0	64	49	10	13	3	–	–	–	–
June	27.5	16.6	36.6	11.4	38.4	9.0	61	46	2	14	< 1	–	–	–	–
July	27.7	17.9	35.5	14.3	40.6	12.4	74	51	1	7	< 1	–	–	–	–
August	27.8	18.3	34.2	15.4	37.4	14.5	78	51	1	4	< 1	–	–	–	–
September	25.2	16.3	32.2	12.6	35.1	10.6	80	58	6	12	3	–	–	–	–
October	32.2	14.3	30.0	10.2	34.5	8.3	77	60	45	39	7	–	–	–	–
November	19.4	11.7	27.2	7.1	33.9	5.4	77	61	50	41	8	–	–	–	–
December	14.8	8.2	22.6	4.0	29.2	2.5	80	67	24	63	14	–	–	–	–
Year	20.9	12.2	38.5*	1.6*	42.0	0.6	75	59	441	63	75	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

*Average of highest/lowest each year

LIBYA

Surt (Sirte) 31°13′N 16°36′E 18 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.7	8.9	24.7	5.0	28.6	3.1	79	61	46	51	7	–	–	–	–
February	20.0	9.6	28.9	4.9	35.6	1.7	75	58	29	55	3	–	–	–	–
March	21.4	11.3	33.2	6.6	37.0	5.0	76	59	11	13	3	–	–	–	–
April	23.3	13.9	37.3	9.0	42.1	5.4	77	62	9	13	2	–	–	–	–
May	25.7	16.6	40.0	12.0	43.9	7.8	77	65	4	12	1	–	–	–	–
June	28.5	19.9	41.5	16.4	45.6	14.4	78	67	1	9	< 1	–	–	–	–
July	29.5	21.1	38.9	18.9	45.6	16.0	80	68	0	0	0	–	–	–	–
August	30.3	22.1	37.7	19.1	46.7	16.1	82	67	0	0	0	–	–	–	–
September	29.6	21.2	38.1	17.6	43.9	15.3	81	65	4	14	1	–	–	–	–
October	28.1	17.8	37.2	12.5	40.5	10.6	81	61	29	24	5	–	–	–	–
November	25.1	14.6	33.4	10.0	36.4	9.0	78	61	21	53	3	–	–	–	–
December	20.4	10.5	27.6	5.9	30.6	4.4	77	61	55	47	7	–	–	–	–
Year	25.1	15.6	44.1*	3.9*	46.7	1.7	78	63	209	55	32	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

Tarābulus (Tripoli) 32°54′N 13°11′E 18 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.5	8.6	24.9	4.3	30.8	2.0	73	59	54	42	9	–	–	–	–
February	19.4	8.5	29.3	4.1	35.6	2.0	71	57	30	45	6	–	–	–	–
March	20.7	10.7	31.6	5.3	38.3	2.6	71	59	19	21	4	–	–	–	–
April	23.3	13.0	35.2	6.7	39.1	5.0	69	58	22	29	4	–	–	–	–
May	26.2	15.6	38.6	9.8	42.6	8.7	67	59	3	10	1	–	–	–	–
June	29.6	19.2	40.1	13.6	43.6	11.0	65	61	< 1	4	< 1	–	–	–	–
July	31.7	21.4	40.7	16.5	46.0	14.0	68	62	0	0	0	–	–	–	–
August	32.1	21.4	39.2	17.8	45.7	16.4	73	62	0	0	0	–	–	–	–
September	30.7	20.3	37.9	16.1	43.4	14.5	75	64	13	45	2	–	–	–	–
October	27.6	17.3	35.7	11.7	40.0	8.4	75	61	36	51	6	–	–	–	–
November	24.8	13.2	32.5	7.3	37.5	4.2	74	57	34	71	5	–	–	–	–
December	19.9	9.8	26.2	4.6	30.0	1.0	75	59	74	106	9	–	–	–	–
Year	25.4	14.9	43.2*	3.1*	46.0	1.0	71	60	285	106	46	–	–	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	–	–	–	–

Wahat Jālū (Jalo) 29°02′N 21°33′E 35 m

Period 1955–66 Bibliography 61, 62	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	–	–	–	–	–	–	–	–	6	–	1	–	–	–	–
February	–	–	–	–	–	–	–	–	2	–	1	–	–	–	–
March	–	–	–	–	–	–	–	–	2	–	1	–	–	–	–
April	–	–	–	–	–	–	–	–	< 1	–	< 1	–	–	–	–
May	–	–	–	–	–	–	–	–	2	–	< 1	–	–	–	–
June	–	–	–	–	–	–	–	–	0	–	0	–	–	–	–
July	–	–	–	–	–	–	–	–	0	–	0	–	–	–	–
August	–	–	–	–	–	–	–	–	0	–	0	–	–	–	–
September	–	–	–	–	–	–	–	–	< 1	–	< 1	–	–	–	–
October	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–
November	–	–	–	–	–	–	–	–	1	–	< 1	–	–	–	–
December	–	–	–	–	–	–	–	–	3	–	1	–	–	–	–
Year	–	–	–	–	–	–	–	–	17	–	5	–	–	–	–
No. of Years	–	–	–	–	–	–	–	–	11	–	11	–	–	–	–

---

*Average of highest/lowest each year

MADAGASCAR

Ambodifototra   17°05′S 49°49′E   10 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.4	24.0	32.2	21.7	35.1	20.6	84	76	354	173	21	247	61	–	–
February	29.3	24.0	31.9	21.8	34.3	19.9	89	79	359	168	19	221	62	–	–
March	28.7	23.6	31.6	21.4	34.8	18.9	88	80	574	242	24	198	52	–	–
April	27.7	23.0	29.8	20.8	32.1	19.6	87	81	401	163	23	201	57	–	–
May	26.2	21.7	28.8	19.2	30.4	16.6	85	78	333	120	24	191	55	–	–
June	24.8	20.2	26.9	17.8	28.3	14.3	85	79	307	135	24	161	48	–	–
July	24.0	19.4	25.8	17.3	29.4	15.9	84	76	269	115	26	165	48	–	–
August	24.1	19.4	25.5	17.4	27.7	16.3	81	75	189	191	23	196	55	–	–
September	24.8	19.9	26.5	17.7	28.5	16.0	82	73	111	95	19	228	64	–	–
October	26.1	21.0	28.2	18.6	30.5	16.9	80	73	85	114	15	251	65	–	–
November	27.8	22.3	30.5	19.9	33.0	18.6	83	75	137	103	16	241	62	–	–
December	28.7	23.3	31.5	20.9	33.4	18.6	84	77	302	162	20	232	57	–	–
Year	26.8	21.8	33.3*	16.7*	35.1	14.3	84	77	3421	242	254	2532	57	–	–
No. of Years	27	27	27	27	27	27	6	6	27	21	27	7	7	–	–

Analalava   14°38′S 47°46′E   57 m

Period 1941–70 Bibliography 65, 66	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	23.0	33.6	21.1	36.0	19.6	86	68	472	171	21	236	59	–	–
February	30.5	23.0	33.2	21.3	35.7	20.1	90	72	407	159	19	198	53	–	–
March	31.2	23.2	33.7	21.5	36.0	20.0	85	63	243	149	16	262	70	–	–
April	32.3	22.9	34.5	20.9	35.5	19.2	79	54	77	53	6	274	78	–	–
May	32.0	21.6	34.1	19.1	35.7	16.3	74	48	12	54	2	306	86	–	–
June	30.8	20.1	33.0	17.8	34.6	14.8	73	45	5	29	1	295	88	–	–
July	30.6	19.4	32.7	17.1	34.0	15.9	70	41	3	9	1	303	87	–	–
August	31.3	19.6	33.6	17.6	34.3	16.3	65	39	4	9	1	312	87	–	–
September	31.9	20.2	34.7	17.8	36.1	14.2	63	40	10	6	1	314	87	–	–
October	32.2	21.5	35.2	19.5	37.0	15.8	61	45	55	43	5	336	88	–	–
November	31.4	22.6	34.8	20.3	37.0	17.6	71	57	197	72	12	297	78	–	–
December	30.9	23.0	33.8	21.0	36.1	19.6	84	66	316	98	18	229	57	–	–
Year	31.3	21.7	35.7*	16.8*	37.0	14.2	75	53	1801	171	103	3362	77	–	–
No. of Years	27	27	27	27	27	27	6	6	30	9	27	7	7	–	–

Antalaha   15°00′S 50°20′E   24 m

Period 1941–70 Bibliography 65, 66	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.8	22.5	31.9	21.0	34.4	19.4	90	73	303	227	19	222	56	–	–
February	30.0	22.5	32.1	20.8	34.8	19.5	92	73	223	325	17	218	61	–	–
March	29.8	22.5	31.6	20.9	33.4	19.5	93	75	262	185	19	218	58	–	–
April	29.1	21.7	30.9	19.7	33.2	17.9	92	73	240	189	18	215	61	–	–
May	27.7	20.5	29.6	18.2	31.9	15.9	91	72	150	191	18	212	60	–	–
June	26.3	19.0	27.9	16.8	30.0	14.1	92	72	162	83	20	194	58	–	–
July	25.4	18.2	27.2	15.9	28.5	13.6	91	71	168	112	24	187	54	–	–
August	25.4	18.1	27.0	16.1	29.3	13.9	91	71	174	232	23	195	54	–	–
September	26.0	18.3	27.7	16.4	29.3	14.4	91	69	93	97	19	224	61	–	–
October	27.1	19.3	28.8	17.2	30.8	15.0	88	69	74	97	16	246	64	–	–
November	28.3	20.8	30.0	18.4	31.0	17.0	89	72	128	104	16	229	60	–	–
December	29.3	21.8	31.2	20.0	34.3	17.8	88	72	214	129	18	232	58	–	–
Year	27.9	20.4	32.9*	15.4*	34.8	13.6	91	72	2191	325	227	2592	59	–	–
No. of Years	26	27	26	27	26	27	6	6	30	21	27	7	7	–	–

*Average of highest/lowest each year

MADAGASCAR

Antananarivo (formerly Tananarive)   18°55′S 47°33′E   1381 m

Period 1941–70 Bibliography 65, 66	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.1	15.9	28.4	13.3	30.5	11.7	92	65	265	83	20	226	56	–	–
February	25.3	15.8	28.3	13.5	30.4	11.3	92	65	206	88	16	215	59	–	–
March	24.6	15.7	27.7	13.2	29.4	11.6	92	66	217	102	19	203	54	–	–
April	24.0	14.2	26.9	10.9	28.7	8.6	92	60	41	45	8	243	70	–	–
May	22.1	11.8	26.3	7.8	28.8	3.0	93	59	14	43	7	228	66	–	–
June	20.3	9.9	23.9	6.0	25.8	3.1	94	59	10	32	8	214	65	–	–
July	19.3	9.1	23.1	5.6	25.4	3.1	92	58	11	29	9	207	60	–	–
August	20.0	9.3	24.8	5.6	28.9	1.6	91	56	13	33	8	231	65	–	–
September	22.0	10.4	27.1	6.6	29.4	2.8	88	50	12	33	6	255	71	–	–
October	24.8	11.8	29.1	8.3	31.6	4.4	86	49	45	61	6	275	71	–	–
November	25.8	14.1	29.2	11.0	30.6	8.0	87	54	161	91	14	229	59	–	–
December	25.4	15.4	28.3	13.0	30.3	10.0	90	61	293	105	20	190	46	–	–
Year	23.2	12.8	30.0*	4.7*	31.6	1.6	91	59	1288	105	141	2716	62	–	–
No. of Years	27	27	27	27	27	27	6	6	30	21	27	7	7	–	–

Antseranana (formerly Diégo-Suarez)   12°21′S 49°18′E   105 m

Period 1941–70 Bibliography 65, 66	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.9	23.6	33.5	21.8	35.3	20.1	84	70	280	330	20	194	49	–	–
February	30.9	23.5	33.1	21.8	35.0	20.0	88	73	239	177	18	187	52	–	–
March	31.5	23.8	33.3	22.2	35.6	20.7	86	70	153	97	14	219	58	–	–
April	31.5	23.6	33.1	21.9	35.8	18.8	80	63	55	77	7	253	71	–	–
May	31.0	22.6	32.8	19.9	35.3	16.0	76	57	10	23	4	287	80	–	–
June	29.9	21.3	31.7	18.9	34.0	15.9	76	55	13	62	4	260	76	–	–
July	29.0	20.5	30.8	18.4	33.5	14.9	74	53	13	42	6	270	76	–	–
August	29.0	20.4	30.9	18.3	34.0	14.6	72	53	14	20	5	290	80	–	–
September	29.6	20.9	31.3	19.1	32.1	16.8	70	51	8	34	4	297	82	–	–
October	30.4	21.9	32.0	20.1	34.0	18.3	68	50	11	26	5	323	84	–	–
November	31.4	23.2	33.3	21.5	36.7	19.0	73	55	35	74	7	285	75	–	–
December	31.6	23.6	34.0	21.8	36.3	20.1	80	64	148	141	13	233	59	–	–
Year	30.6	22.4	34.5*	17.7*	36.7	14.6	77	59	979	330	107	3098	70	–	–
No. of Years	27	27	27	27	27	27	6	6	30	21	27	17	17	–	–

Antsirabe   19°52′S 47°01′E   1506 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.2	14.1	28.1	10.7	29.9	6.4	86	59	280	111	21	215	53	–	–
February	25.3	13.9	27.8	10.2	29.3	8.0	90	61	218	95	18	202	56	–	–
March	24.5	13.6	27.3	9.7	28.8	6.0	92	61	232	80	20	190	50	–	–
April	24.0	11.3	26.5	6.8	28.3	1.9	93	55	68	89	9	239	69	–	–
May	21.8	8.0	24.9	2.3	26.4	−1.3	94	53	30	30	6	246	71	–	–
June	20.0	5.9	23.1	0.3	25.2	−5.4	95	48	15	37	4	228	70	–	–
July	19.5	5.3	22.8	0.4	25.4	−2.2	94	49	20	35	5	224	65	–	–
August	21.0	5.7	24.8	0.6	27.6	−4.6	93	43	17	64	3	242	69	–	–
September	23.3	6.9	27.0	1.3	29.4	−3.4	87	38	22	37	4	264	74	–	–
October	25.6	9.3	29.0	4.2	31.9	−1.1	80	39	85	76	9	271	70	–	–
November	25.9	11.7	29.0	7.6	31.7	4.6	82	49	163	69	15	226	58	–	–
December	25.3	13.5	28.1	10.2	30.4	6.5	84	57	274	95	22	188	46	–	–
Year	23.5	9.9	29.9*	−0.8*	31.9	−5.4	89	51	1424	111	136	2735	63	–	–
No. of Years	27	27	27	27	27	27	6	6	27	21	27	7	7	–	–

*Average of highest/lowest each year

MADAGASCAR

Besalampy 16°45′S 44°29′E 36 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.6	23.0	34.4	20.8	35.8	18.6	91	69	432	378	18	211	53	–	–
February	31.6	23.2	34.2	21.4	35.3	19.7	94	70	295	95	16	198	55	–	–
March	32.0	22.9	34.5	20.8	35.8	16.7	94	64	205	124	14	235	62	–	–
April	33.1	22.1	34.8	19.6	36.2	17.3	93	56	40	38	5	271	77	–	–
May	32.1	19.5	34.1	16.0	35.2	13.3	90	47	7	19	1	300	86	–	–
June	31.0	17.4	33.1	13.9	35.0	11.0	90	42	2	18	1	299	90	–	–
July	31.0	16.9	32.9	13.7	34.7	11.2	91	41	2	11	1	300	87	–	–
August	31.5	17.8	33.7	14.8	35.3	11.9	87	36	2	4	1	309	87	–	–
September	32.4	19.4	34.9	16.5	37.3	14.0	84	41	9	12	2	307	86	–	–
October	33.3	20.9	35.8	18.1	38.4	15.0	78	46	14	17	2	317	82	–	–
November	33.5	22.2	36.0	20.0	37.5	16.1	77	50	63	18	5	305	79	–	–
December	32.5	22.9	35.4	21.1	37.5	19.5	86	61	199	205	13	227	56	–	–
Year	32.1	20.7	36.5*	13.3*	38.4	11.0	88	52	1270	378	79	3279	75	–	–
No. of Years	27	27	27	27	27	27	6	6	27	6	27	7	7	–	–

Betroka 23°17′S 46°05′E 795 m

Period 1941–61 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.0	19.2	34.3	15.8	38.9	12.5	–	–	193	–	12	–	–	–	–
February	30.9	18.7	34.0	15.6	36.0	12.4	–	–	121	–	10	–	–	–	–
March	29.7	17.9	33.6	13.6	35.3	9.3	–	–	107	–	10	–	–	–	–
April	29.5	15.9	32.9	10.4	35.4	7.0	–	–	29	–	4	–	–	–	–
May	26.6	12.4	30.8	6.3	33.0	2.6	–	–	12	–	3	–	–	–	–
June	24.6	10.6	28.7	3.9	30.2	0.6	–	–	9	–	2	–	–	–	–
July	24.3	10.2	28.3	4.4	30.0	0.0	–	–	4	–	1	–	–	–	–
August	26.1	11.1	30.5	5.2	32.3	0.0	–	–	5	–	1	–	–	–	–
September	28.6	13.1	33.0	7.2	35.7	5.0	–	–	13	–	2	–	–	–	–
October	31.2	15.9	35.7	10.1	39.5	5.5	–	–	35	–	4	–	–	–	–
November	31.9	17.7	36.4	13.9	40.0	9.6	–	–	94	–	9	–	–	–	–
December	30.9	19.0	35.0	15.4	38.1	12.8	–	–	194	–	13	–	–	–	–
Year	28.8	15.1	36.8*	3.1*	40.0	0.0	–	–	816	–	71	–	–	–	–
No. of Years	18	18	18	18	18	18	–	–	21	–	19	–	–	–	–

Farafangana 22°48′S 47°50′E 6 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.8	22.8	31.6	20.2	36.3	18.2	88	77	307	220	19	239	58	–	–
February	28.9	22.6	31.3	20.4	36.0	18.2	91	75	267	161	18	234	65	–	–
March	28.1	22.1	30.5	19.4	34.8	15.3	92	76	390	227	23	218	58	–	–
April	27.2	20.6	29.3	17.5	31.9	13.9	94	78	247	224	18	214	62	–	–
May	25.6	18.0	28.5	14.4	31.5	11.2	95	74	170	84	16	205	60	–	–
June	24.2	16.2	26.9	12.1	30.2	6.2	96	72	164	121	16	204	65	–	–
July	23.5	15.7	25.4	12.2	28.3	7.9	95	74	173	178	18	193	55	–	–
August	23.6	16.0	25.7	12.7	32.0	8.8	94	72	141	128	16	205	59	–	–
September	24.4	17.3	26.4	13.6	29.5	9.7	92	74	94	87	14	217	61	–	–
October	25.4	19.1	27.4	15.3	29.7	9.4	87	75	84	129	13	235	60	–	–
November	26.6	20.8	28.7	17.7	31.4	13.3	87	78	174	165	15	206	52	–	–
December	27.9	22.0	30.1	19.3	34.8	17.4	87	77	252	250	18	199	48	–	–
Year	26.2	19.4	33.2*	10.9*	36.3	6.2	91	75	2463	250	204	2569	59	–	–
No. of Years	27	27	27	27	27	27	6	6	27	21	27	7	7	–	–

*Average of highest/lowest each year

MADAGASCAR

Faux Cap 25°18′S 45°30′E 64 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.8	22.6	36.3	19.0	40.5	14.5	82	75	69	158	9	279	67	–	–
February	32.0	22.8	37.4	19.1	40.6	15.7	82	73	69	101	8	261	72	–	–
March	30.6	22.0	35.7	17.8	39.8	10.6	83	73	60	102	8	244	65	–	–
April	29.6	19.6	34.6	14.7	40.0	10.7	83	73	25	51	6	247	70	–	–
May	27.2	16.6	33.1	11.3	36.8	7.3	82	72	26	37	7	256	76	–	–
June	25.8	14.9	29.4	10.1	38.4	6.2	82	68	37	120	6	233	73	–	–
July	25.7	13.6	30.4	8.8	33.5	4.6	80	69	20	66	6	239	72	–	–
August	26.3	14.6	31.6	9.6	35.9	4.3	81	71	13	92	4	271	78	–	–
September	28.1	16.0	34.0	11.0	38.6	8.1	80	71	12	23	3	261	73	–	–
October	30.0	18.3	35.7	13.2	39.8	8.2	79	72	19	26	4	270	69	–	–
November	30.8	20.2	37.0	15.9	41.0	12.1	78	72	32	82	5	271	68	–	–
December	31.4	21.8	37.5	18.0	40.4	15.1	79	73	94	112	9	256	61	–	–
Year	29.1	18.6	39.1*	7.9*	41.0	4.3	81	72	476	158	75	3083	70	–	–
No. of Years	27	27	27	27	27	27	6	6	27	21	27	7	7	–	–

Fianarantsoa 21°27′S 47°06′E 1106 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.0	16.8	29.3	13.8	30.7	11.5	91	63	263	102	21	215	53	–	–
February	25.9	16.5	29.4	13.2	31.1	11.1	94	65	193	71	19	193	53	–	–
March	25.0	16.1	28.9	12.7	30.7	8.5	94	70	171	63	22	169	45	–	–
April	24.3	14.7	27.8	10.9	30.0	9.0	96	65	42	40	14	197	57	–	–
May	22.0	12.1	26.5	7.2	28.8	3.8	96	63	30	37	12	192	56	–	–
June	20.2	10.2	24.5	4.6	26.8	0.0	96	64	20	14	11	175	54	–	–
July	19.3	9.6	23.6	5.1	25.2	1.2	96	66	23	34	13	159	47	–	–
August	20.4	9.7	25.4	5.5	29.3	1.2	95	63	23	63	12	184	52	–	–
September	22.5	10.9	27.9	6.3	30.2	3.3	94	56	24	24	9	217	61	–	–
October	25.1	12.9	30.1	8.9	32.2	6.0	89	52	38	39	8	238	61	–	–
November	26.4	14.7	30.7	11.3	33.5	5.8	90	55	135	59	15	202	51	–	–
December	26.2	16.2	29.8	13.1	31.6	10.9	90	61	242	100	19	178	43	–	–
Year	23.6	13.4	31.3*	3.2*	33.5	0.0	93	62	1204	102	175	2319	53	–	–
No. of Years	25	25	25	25	25	25	6	6	27	19	27	7	7	–	–

Hell-ville 13°19′S 48°19′E 11 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	23.0	32.8	21.4	33.4	20.0	94	75	431	275	23	212	53	–	–
February	30.7	23.1	32.6	21.4	34.2	19.8	96	77	47	163	22	188	52	–	–
March	31.2	23.3	32.8	21.8	34.7	20.6	96	73	272	119	20	237	63	–	–
April	31.3	22.9	32.8	21.2	33.8	19.1	96	71	150	152	13	245	69	–	–
May	30.4	21.4	31.9	18.8	33.5	15.1	96	66	61	51	8	274	77	–	–
June	29.3	19.6	30.6	16.9	32.5	14.2	95	62	45	55	7	253	75	–	–
July	28.8	18.6	30.3	15.9	32.2	13.2	97	59	35	58	6	272	77	–	–
August	29.1	18.8	30.6	16.3	32.9	13.8	94	57	45	69	9	289	80	–	–
September	30.2	19.7	31.9	17.3	33.9	14.3	87	53	44	88	8	290	81	–	–
October	31.3	21.1	32.9	18.5	35.1	15.2	79	52	78	75	11	307	80	–	–
November	31.6	22.3	33.4	20.3	35.4	18.3	80	59	168	64	15	266	70	–	–
December	31.1	22.8	33.2	21.1	34.4	20.2	90	72	377	137	21	215	54	–	–
Year	30.5	21.4	33.8*	15.5*	35.4	13.2	92	65	1753	275	163	3048	69	–	–
No. of Years	27	27	27	27	27	27	6	6	27	18	27	7	7	–	–

---

*Average of highest/lowest each year

MADAGASCAR

Ihosy 22°24′S 46°08′E 800 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.0	19.0	33.1	16.0	36.0	9.0	85	63	191	77	13	–	–	–	–
February	29.8	18.9	33.3	17.9	35.9	14.0	87	65	134	83	9	–	–	–	–
March	28.8	18.1	32.4	14.5	33.6	8.7	88	66	83	61	9	–	–	–	–
April	28.5	16.5	31.7	11.8	34.7	7.2	88	62	25	36	3	–	–	–	–
May	25.9	13.5	29.9	7.4	32.1	0.9	89	61	13	26	2	–	–	–	–
June	24.2	11.5	27.8	4.9	29.4	0.1	90	59	7	19	2	–	–	–	–
July	23.7	11.0	27.6	5.4	29.1	2.3	88	59	3	8	1	–	–	–	–
August	25.0	11.8	29.1	6.8	33.1	2.5	85	53	7	17	1	–	–	–	–
September	27.5	13.2	32.3	8.6	35.2	4.5	81	49	10	17	2	–	–	–	–
October	30.2	15.3	34.8	10.7	37.4	4.5	79	47	29	34	4	–	–	–	–
November	30.7	17.0	34.8	13.7	38.0	8.0	81	53	94	61	9	–	–	–	–
December	30.3	18.2	33.7	15.0	36.9	11.0	83	61	189	104	13	–	–	–	–
Year	27.9	15.3	35.5*	4.0*	38.0	0.1	85	58	785	104	68	–	–	–	–
No. of Years	27	27	27	27	27	27	6	6	27	8	27	–	–	–	–

Maevatanàna 16°57′S 46°50′E 77 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.7	23.0	36.1	20.8	40.0	19.6	85	53	431	156	21	–	–	–	–
February	32.9	22.9	35.6	20.8	37.9	19.0	84	65	312	162	17	–	–	–	–
March	33.1	23.0	35.3	20.7	37.9	18.5	83	62	283	138	16	–	–	–	–
April	34.1	22.6	35.8	20.0	39.3	18.7	79	55	67	107	5	–	–	–	–
May	33.4	20.7	35.4	17.0	36.8	12.7	70	48	7	24	1	–	–	–	–
June	32.2	18.6	34.2	14.5	35.9	6.9	73	43	1	9	< 1	–	–	–	–
July	31.9	18.2	33.9	15.0	35.0	12.7	70	40	2	7	1	–	–	–	–
August	32.8	19.2	34.8	16.2	35.8	11.0	64	39	3	18	1	–	–	–	–
September	34.5	20.6	37.0	17.5	40.1	14.9	60	38	8	81	1	–	–	–	–
October	35.7	22.1	37.8	19.4	39.8	17.4	60	40	33	78	3	–	–	–	–
November	35.6	22.9	37.9	20.1	39.2	16.8	72	45	143	93	9	–	–	–	–
December	34.0	22.9	37.1	20.0	39.3	15.4	84	59	299	136	17	–	–	–	–
Year	33.6	21.4	38.5*	13.9*	40.1	6.9	74	49	1589	162	92	–	–	–	–
No. of Years	27	27	27	27	27	27	6	6	27	21	27	–	–	–	–

Mahajanga (formerly Majunga) 15°40′S 46°21′E 22 m

Period 1941–70 Bibliography 65, 66	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.0	23.6	34.3	21.4	37.0	17.6	89	69	437	274	20	190	47	–	–
February	31.1	23.7	34.0	21.8	35.9	20.3	91	72	353	189	18	182	51	–	–
March	31.5	23.6	34.0	21.5	35.4	20.2	89	64	242	362	15	223	59	–	–
April	32.5	23.2	34.5	21.0	36.3	17.7	85	55	52	61	4	297	84	–	–
May	31.7	21.3	33.7	18.5	35.1	15.1	81	48	10	58	2	314	89	–	–
June	30.6	19.6	32.6	17.1	33.9	13.7	82	46	2	32	1	297	89	–	–
July	30.3	18.9	32.4	16.6	34.0	14.3	78	44	1	8	1	303	87	–	–
August	31.2	19.3	33.4	17.1	35.0	14.7	72	40	3	14	1	317	88	–	–
September	32.0	20.4	34.6	18.2	35.9	15.8	69	41	2	10	1	318	88	–	–
October	32.5	22.1	35.2	19.5	36.2	17.1	65	45	23	57	2	336	87	–	–
November	32.0	23.6	35.2	20.8	37.5	17.7	75	57	118	84	8	295	77	–	–
December	31.4	23.8	34.6	21.3	36.7	19.8	85	66	245	205	15	231	57	–	–
Year	31.5	21.9	36.0*	16.2*	37.5	13.7	80	54	1488	362	88	3303	75	–	–
No. of Years	27	27	27	27	27	27	6	6	30	21	27	17	17	–	–

*Average of highest/lowest each year

MADAGASCAR

Maintirano   18°03′S 44°02′E   25 m

Period 1941–70 Bibliography 65, 66	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.9	23.5	33.4	21.3	36.8	19.1	91	72	325	272	18	–	–	–	–
February	31.3	23.6	33.4	21.7	34.8	20.3	93	70	220	237	15	–	–	–	–
March	31.2	23.4	33.1	21.3	34.7	20.4	93	69	148	113	13	–	–	–	–
April	31.2	22.7	33.2	20.0	35.3	18.2	92	62	29	62	4	–	–	–	–
May	29.3	20.4	31.8	17.3	33.8	12.8	89	57	8	39	2	–	–	–	–
June	27.6	18.4	30.0	15.1	32.0	11.2	87	54	3	36	1	–	–	–	–
July	27.2	18.0	30.1	14.6	32.8	9.1	88	53	3	29	1	–	–	–	–
August	28.0	18.7	31.4	15.7	34.8	10.8	89	54	5	28	1	–	–	–	–
September	29.3	20.2	32.3	17.8	34.6	15.0	89	57	8	61	2	–	–	–	–
October	30.5	21.8	31.9	19.0	36.6	16.6	83	59	14	42	3	–	–	–	–
November	31.4	22.8	34.4	20.4	36.7	17.2	79	61	59	112	6	–	–	–	–
December	31.6	23.3	33.9	21.1	36.2	19.7	85	65	179	301	13	–	–	–	–
Year	30.0	21.4	35.1*	13.9*	36.8	9.1	88	61	1001	301	79	–	–	–	–
No. of Years	27	27	27	27	27	27	6	6	30	21	27	–	–	–	–

Mandritsara   15°50′S 48°49′E   350 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1230							
	degrees Celsius						per cent		millimetres			hours		hours	
January	31.5	21.2	35.3	19.0	37.1	17.4	92	63	299	173	17	–	–	–	–
February	31.7	20.0	34.8	19.1	36.8	17.3	94	67	258	117	14	–	–	–	–
March	31.6	21.1	34.9	18.4	36.5	11.0	93	67	221	303	14	–	–	–	–
April	31.2	19.8	34.4	16.6	35.8	13.0	89	61	35	73	4	–	–	–	–
May	29.9	17.8	33.8	14.1	35.5	10.8	89	56	5	28	1	–	–	–	–
June	28.0	16.2	31.4	11.9	33.3	7.7	87	54	3	14	2	–	–	–	–
July	25.8	15.5	30.0	11.1	32.5	9.2	86	54	4	12	2	–	–	–	–
August	27.2	15.6	31.1	11.9	33.7	9.7	83	52	6	23	2	–	–	–	–
September	28.7	16.3	32.7	12.4	36.0	9.9	82	47	4	42	1	–	–	–	–
October	30.8	17.6	35.6	13.8	37.6	11.4	75	45	10	39	1	–	–	–	–
November	32.9	19.7	36.7	15.9	38.5	14.2	83	49	110	99	6	–	–	–	–
December	32.7	20.9	36.1	18.2	38.3	16.0	90	57	200	84	12	–	–	–	–
Year	30.2	18.5	37.3*	10.5*	38.5	7.7	87	56	1155	303	76	–	–	–	–
No. of Years	26	27	26	26	26	26	6	6	27	21	27	–	–	–	–

Morombe   21° 45′S 43°22′E   5 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	32.2	22.7	35.6	19.8	39.2	16.0	86	67	150	199	8	297	72	–	–
February	32.4	22.7	35.4	20.5	38.1	17.7	90	66	110	138	6	263	73	–	–
March	32.2	21.7	35.2	18.2	37.8	12.9	89	60	55	92	4	281	75	–	–
April	31.3	19.5	34.4	15.1	37.0	11.8	91	57	6	31	1	307	88	–	–
May	29.5	15.6	32.6	11.9	34.5	7.8	90	52	11	43	2	313	91	–	–
June	27.9	14.2	31.2	9.8	33.4	6.7	91	50	5	19	1	293	90	–	–
July	27.5	13.3	30.5	9.2	32.5	5.8	89	48	3	21	1	299	89	–	–
August	28.1	14.4	31.8	10.0	34.6	5.7	86	49	2	30	1	315	90	–	–
September	29.1	16.2	32.9	12.2	37.3	9.7	86	55	5	9	1	311	87	–	–
October	29.8	18.2	33.1	13.9	35.4	9.2	82	61	6	39	1	324	83	–	–
November	30.7	20.1	34.0	16.2	35.7	12.8	79	64	28	76	2	313	80	–	–
December	31.6	21.6	34.3	18.7	37.2	14.9	81	65	95	145	6	304	73	–	–
Year	30.2	18.3	36.4*	8.3*	39.2	5.7	87	58	476	199	34	3620	83	–	–
No. of Years	27	27	27	27	27	27	6	6	27	6	27	7	7	–	–

*Average of highest/lowest each year

MADAGASCAR

Morondava 20°17′S 44°19′E 8 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	23.4	35.0	21.0	38.3	17.3	89	66	234	248	13	273	67	–	–
February	31.9	23.3	34.8	21.2	38.0	19.3	92	67	174	277	11	261	71	–	–
March	31.9	22.6	34.5	19.7	37.2	15.9	92	63	130	123	8	283	75	–	–
April	31.6	20.5	34.7	16.3	36.0	12.9	93	56	10	54	2	293	84	–	–
May	29.8	17.0	32.9	13.0	34.7	11.3	92	48	11	46	1	302	88	–	–
June	28.4	14.6	31.5	10.4	32.9	7.0	91	47	2	8	2	287	88	–	–
July	28.0	14.1	31.5	10.3	33.2	6.5	89	45	1	12	1	291	85	–	–
August	28.3	15.4	31.8	11.5	33.7	9.2	89	48	3	28	1	308	87	–	–
September	29.2	17.6	33.2	14.3	37.7	11.6	91	55	4	22	1	304	85	–	–
October	30.2	20.3	32.9	16.2	35.2	10.5	85	58	13	39	1	324	84	–	–
November	31.3	22.0	33.8	18.5	37.2	16.0	82	60	24	40	3	313	80	–	–
December	31.7	23.0	34.1	20.3	38.2	15.7	84	63	136	153	9	283	69	–	–
Year	30.3	19.5	36.3*	9.6*	38.3	6.5	89	56	742	277	53	3522	80	–	–
No. of Years	27	27	27	27	27	27	6	6	27	21	27	7	7	–	–

Nosy-Varika 20°34′S 48°32′E 16 m

Period 1941–67 Bibliography 65	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.7	22.7	31.8	20.8	33.3	19.2	96	77	320	87	19	–	–	–	–
February	29.8	22.6	31.6	20.8	34.2	19.1	97	78	360	118	19	–	–	–	–
March	29.1	22.2	31.4	20.0	33.3	18.3	97	79	459	121	22	–	–	–	–
April	28.4	20.9	30.5	18.8	31.8	16.6	97	79	226	121	18	–	–	–	–
May	26.7	18.9	29.7	16.3	32.3	11.5	97	76	213	82	17	–	–	–	–
June	25.2	17.3	27.9	14.4	29.8	10.7	97	75	190	85	17	–	–	–	–
July	24.5	16.6	27.2	14.0	30.2	12.2	97	77	167	143	18	–	–	–	–
August	24.8	16.6	26.9	14.3	28.0	12.8	97	75	163	98	17	–	–	–	–
September	25.7	17.6	27.4	15.1	28.7	13.8	97	75	117	81	14	–	–	–	–
October	26.7	19.0	28.6	16.2	29.7	14.5	95	75	94	62	12	–	–	–	–
November	27.9	20.7	29.9	28.4	30.8	15.4	94	77	189	223	14	–	–	–	–
December	29.1	22.0	30.9	20.1	32.7	18.7	95	77	224	132	17	–	–	–	–
Year	27.3	19.8	32.3*	13.4*	34.2	10.7	96	77	2722	223	204	–	–	–	–
No. of Years	27	27	27	27	27	27	6	6	27	6	27	–	–	–	–

Taolañaro (formerly Fort Dauphin) 25°02′S 46°57′E 8 m

Period 1941–70 Bibliography 65, 66	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.4	22.3	32.2	19.7	34.2	18.0	84	70	195	219	16	239	57	–	–
February	29.6	22.3	32.5	19.8	35.4	18.3	85	68	165	104	14	229	62	–	–
March	28.3	21.5	31.3	18.6	34.5	15.6	88	71	223	283	18	189	50	–	–
April	27.3	20.2	30.4	16.9	32.5	12.6	89	74	128	111	14	208	60	–	–
May	25.6	17.8	28.8	14.3	31.3	11.0	88	68	131	104	13	235	70	–	–
June	24.2	16.3	27.3	12.9	29.4	10.4	89	67	125	158	13	206	65	–	–
July	23.6	15.8	26.7	12.4	28.8	9.2	87	68	129	211	13	203	61	–	–
August	24.1	16.1	27.1	12.3	28.8	8.8	85	66	104	161	12	237	68	–	–
September	25.1	17.1	28.7	13.3	30.8	11.2	83	66	64	124	10	229	65	–	–
October	26.5	18.5	30.2	15.1	31.7	12.0	80	67	97	86	10	246	63	–	–
November	27.6	19.9	31.3	16.9	33.0	14.8	83	70	104	98	13	233	58	–	–
December	28.8	21.4	32.1	18.5	34.7	16.3	82	70	123	113	14	228	54	–	–
Year	26.7	19.1	33.3*	11.3*	35.4	8.8	85	69	1588	283	160	2682	61	–	–
No. of Years	27	27	27	27	27	27	6	6	30	21	27	15	15	–	–

*Average of highest/lowest each year

MADAGASCAR

Toamasina (formerly Tamatave) 18°07′S 49°24′E 5 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–70 Bibliography 65, 66	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.1	23.1	32.6	21.3	36.5	19.9	89	71	391	190	21	230	57	–	–
February	30.0	23.1	32.0	21.3	35.2	20.0	92	73	404	247	20	207	57	–	–
March	29.3	22.8	31.8	21.3	36.0	19.2	93	76	498	171	23	187	50	–	–
April	28.4	21.8	30.3	19.7	32.3	17.4	93	73	308	284	22	205	59	–	–
May	26.7	20.0	29.0	17.4	30.2	14.9	93	74	263	151	21	204	59	–	–
June	25.1	18.4	26.9	15.5	28.6	11.3	94	74	264	106	21	171	52	–	–
July	24.3	17.6	26.1	15.0	28.5	12.6	94	74	262	119	24	173	50	–	–
August	24.4	17.5	26.2	15.1	27.5	12.5	94	73	211	96	24	192	54	–	–
September	25.5	18.0	27.2	15.5	29.0	13.1	93	71	126	122	20	218	61	–	–
October	26.9	19.0	28.6	16.6	30.3	14.7	90	71	91	101	16	244	63	–	–
November	28.5	20.9	30.1	17.9	31.3	15.8	88	72	185	173	17	241	62	–	–
December	29.5	22.3	31.4	20.0	35.1	17.2	89	73	287	127	20	230	56	–	–
Year	27.4	20.4	33.5*	14.4*	36.5	11.3	92	73	3290	284	249	2502	57	–	–
No. of Years	27	27	27	27	27	27	6	6	30	21	27	17	17	–	–

Toliara (formerly Tuléar) 23°23′S 43°44′E 9 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–70 Bibliography 65, 66	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.1	22.6	36.2	19.5	39.5	16.0	82	69	84	187	8	300	73	–	–
February	32.5	22.6	36.3	19.7	40.4	16.2	85	67	80	225	7	283	77	–	–
March	31.9	21.6	35.8	17.9	39.0	14.3	82	60	39	58	5	297	78	–	–
April	30.7	19.3	34.6	15.1	36.5	11.8	84	59	11	49	2	291	88	–	–
May	28.7	16.4	32.6	12.5	36.2	8.9	86	57	22	67	3	302	89	–	–
June	27.1	14.4	31.0	10.1	31.9	7.0	87	55	11	31	3	276	86	–	–
July	26.8	13.6	30.5	9.4	32.3	6.1	85	55	5	23	2	296	88	–	–
August	27.5	14.2	31.8	10.1	33.2	6.8	79	52	3	29	1	314	89	–	–
September	28.7	15.9	33.8	11.7	37.8	8.5	79	58	7	29	1	310	87	–	–
October	29.5	18.0	34.1	13.6	38.9	10.0	77	64	14	67	2	329	86	–	–
November	30.3	20.0	34.6	16.4	39.8	14.2	73	65	29	64	3	314	79	–	–
December	31.2	21.6	34.8	18.3	37.5	15.1	78	71	77	173	6	313	74	–	–
Year	29.7	18.3	37.6*	8.8*	40.4	6.1	81	61	382	225	43	3625	83	–	–
No. of Years	27	27	27	27	27	27	6	6	30	21	27	17	17	–	–

Vohimarina (formerly Vohémar) 13°22′S 50°02′E 5 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–67 Bibliography 65	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.7	23.3	33.0	21.6	35.0	20.3	84	72	221	244	17	–	–	–	–
February	30.7	23.3	32.8	21.7	34.1	20.8	87	73	207	167	17	–	–	–	–
March	30.6	23.4	32.7	21.7	35.0	20.0	87	73	158	183	16	–	–	–	–
April	29.8	22.8	31.3	20.9	33.3	19.2	83	73	154	119	14	–	–	–	–
May	28.9	21.7	30.5	19.2	32.6	16.0	80	71	83	177	13	–	–	–	–
June	27.6	20.3	29.1	18.2	32.0	15.3	82	70	76	79	15	–	–	–	–
July	26.6	19.5	27.9	17.0	25.5	14.6	81	69	88	69	17	–	–	–	–
August	26.5	19.3	27.8	17.4	29.9	15.1	81	71	92	77	17	–	–	–	–
September	27.2	19.7	28.4	18.0	29.8	16.9	81	71	63	65	14	–	–	–	–
October	28.3	20.6	29.8	18.9	31.8	18.0	78	69	65	50	15	–	–	–	–
November	29.6	22.1	31.2	20.3	32.4	18.7	80	70	93	86	16	–	–	–	–
December	30.4	22.9	32.2	21.0	34.8	19.0	82	72	222	180	17	–	–	–	–
Year	28.9	21.6	33.7*	16.4*	35.0	14.6	82	71	1522	244	188	–	–	–	–
No. of Years	27	27	27	26	27	26	6	6	27	21	27	–	–	–	–

---

*Average of highest/lowest each year

MALAWI

Karonga 09°57′S 33°56′E 484 m

Period 1946–70 Bibliography 67, 68, 69, 70	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				per cent		millimetres			hours		hours	
January	29.6	21.7	32.5	20.1	35.0	18.3	81	68	170	–	17	–	–	–	–
February	29.6	21.4	32.1	19.8	33.3	18.3	81	68	162	–	16	–	–	–	–
March	29.2	21.4	31.3	19.8	35.6	18.9	85	70	325	–	22	–	–	–	–
April	28.9	21.1	30.6	18.8	32.2	17.2	81	67	246	–	17	–	–	–	–
May	28.2	18.9	29.7	15.3	31.7	13.9	74	57	33	–	6	–	–	–	–
June	27.2	16.5	28.7	13.1	30.6	10.6	70	55	10	–	2	–	–	–	–
July	26.9	15.4	28.6	12.5	30.0	11.1	68	51	3	–	1	–	–	–	–
August	27.8	15.7	29.9	12.9	31.7	10.6	67	52	2	–	1	–	–	–	–
September	29.8	17.3	32.1	14.6	33.9	11.7	63	51	1	–	< 1	–	–	–	–
October	32.2	19.4	34.5	16.8	37.2	15.0	57	53	4	–	< 1	–	–	–	–
November	32.3	21.7	34.8	19.0	37.2	17.2	63	56	51	–	4	–	–	–	–
December	30.2	21.9	33.7	19.8	36.1	18.3	76	66	187	–	15	–	–	–	–
Year	29.3	19.4	35.3*	12.1*	37.2	10.6	72	59	1194	–	101	–	–	–	–
No. of Years	23	23	23	23	23	23	9	9	23	–	23	–	–	–	–

Lilongwe 13°58′S 33°42′E 1095 m

Period 1946–70 Bibliography 67, 68, 69, 70	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				per cent		millimetres			hours		hours	
January	26.6	17.4	29.7	14.8	32.8	12.8	87	65	216	–	20	–	–	–	–
February	26.6	17.5	29.4	15.0	31.1	12.2	89	66	199	–	18	–	–	–	–
March	26.7	16.3	29.2	12.9	31.7	10.6	87	59	114	–	13	–	–	–	–
April	26.6	14.3	28.9	10.4	30.6	7.2	87	53	44	–	6	–	–	–	–
May	25.2	10.7	27.9	6.2	30.0	3.3	84	43	4	–	2	–	–	–	–
June	23.7	8.1	26.9	3.9	28.3	–0.6	83	40	2	–	1	–	–	–	–
July	23.6	7.6	26.6	3.3	28.9	–3.3	79	38	1	–	1	–	–	–	–
August	25.1	8.7	28.6	5.0	31.1	–0.6	69	36	1	–	1	–	–	–	–
September	27.6	11.8	31.1	8.1	33.3	3.3	59	33	7	–	1	–	–	–	–
October	29.9	15.0	32.6	11.6	34.4	8.9	54	32	4	–	1	–	–	–	–
November	29.6	17.1	32.9	14.4	34.4	12.2	65	43	60	–	8	–	–	–	–
December	27.4	17.6	30.9	15.3	33.3	13.3	80	61	171	–	17	–	–	–	–
Year	26.5	13.5	33.3*	2.5*	34.4	–3.3	77	47	823	–	89	–	–	–	–
No. of Years	22	22	22	22	22	22	9	9	22	–	22	–	–	–	–

Mzimba 11°52′S 33°40′E 1349 m

Period 1947–70 Bibliography 67, 68, 69, 70	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				per cent		millimetres			hours		hours	
January	25.2	16.3	28.3	14.1	30.0	12.8	84	66	218	–	20	–	–	–	–
February	25.2	16.2	27.9	13.9	29.4	12.2	87	67	197	–	21	–	–	–	–
March	25.4	15.9	28.1	13.5	29.4	11.7	83	65	156	–	16	–	–	–	–
April	25.2	15.3	28.0	12.4	29.4	10.0	77	59	41	–	8	–	–	–	–
May	24.3	12.9	27.2	8.3	30.0	5.6	72	51	4	–	2	–	–	–	–
June	22.6	10.7	26.4	5.8	30.0	1.7	71	47	1	–	1	–	–	–	–
July	22.1	10.2	26.1	4.8	29.4	1.7	70	48	2	–	1	–	–	–	–
August	23.2	11.2	27.2	5.2	30.0	0.6	63	44	1	–	1	–	–	–	–
September	25.6	14.1	30.1	8.2	32.8	3.9	57	40	3	–	< 1	–	–	–	–
October	27.9	16.9	31.1	12.7	32.8	8.3	53	38	4	–	1	–	–	–	–
November	28.0	17.4	31.3	14.4	33.3	12.8	62	49	59	–	6	–	–	–	–
December	26.1	16.6	29.3	14.4	31.1	11.1	78	63	170	–	17	–	–	–	–
Year	25.1	14.5	31.8*	3.8*	33.3	0.6	71	53	856	–	94	–	–	–	–
No. of Years	22	22	22	22	22	22	9	9	22	–	22	–	–	–	–

*Average of highest/lowest each year

MALAWI

Nkhotakota 12°56'S 34°19'E 498 m

Period 1947–64 Bibliography 67, 68, 69	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	28.2	21.2	30.9	19.4	32.8	18.3	–	–	374	–	22	–	–	–	–
February	28.2	21.2	30.6	19.8	31.7	18.9	–	–	341	–	19	–	–	–	–
March	28.5	20.9	30.7	19.2	32.8	18.3	–	–	406	–	20	–	–	–	–
April	28.4	20.2	30.3	18.1	31.1	16.1	–	–	160	–	13	–	–	–	–
May	26.8	17.6	29.1	14.6	30.0	13.3	–	–	50	–	6	–	–	–	–
June	25.6	15.6	27.7	12.6	28.9	11.1	–	–	8	–	2	–	–	–	–
July	25.6	15.2	27.6	12.2	28.9	10.0	–	–	6	–	1	–	–	–	–
August	26.6	15.7	29.7	12.9	31.7	9.4	–	–	4	–	1	–	–	–	–
September	29.2	17.7	32.3	15.1	33.9	12.8	–	–	3	–	< 1	–	–	–	–
October	31.9	20.9	34.4	17.7	36.1	16.7	–	–	5	–	1	–	–	–	–
November	31.9	22.2	35.2	19.9	36.7	17.8	–	–	62	–	5	–	–	–	–
December	29.5	21.6	33.3	19.3	36.1	17.8	–	–	238	–	15	–	–	–	–
Year	28.4	19.2	31.8*	11.4*	36.7	9.4	–	–	1657	–	105	–	–	–	–
No. of Years	16	16	16	16	16	16	–	–	16	–	16	–	–	–	–

Nsanje (formerly Port Herald) 16°57'S 35°16'E 57 m

Period 1946–61 Bibliography 67, 68	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	32.8	23.2	36.9	20.4	41.1	18.9	–	–	186	–	15	–	–	–	–
February	32.6	23.2	36.2	20.5	38.9	18.3	–	–	162	–	14	–	–	–	–
March	31.7	22.3	35.3	19.2	39.4	17.2	–	–	133	–	13	–	–	–	–
April	31.3	20.9	35.2	16.3	38.3	14.4	–	–	51	–	7	–	–	–	–
May	29.2	17.4	33.8	12.4	37.2	8.3	–	–	23	–	5	–	–	–	–
June	26.9	14.7	31.1	10.4	34.4	6.7	–	–	18	–	7	–	–	–	–
July	27.3	14.3	31.8	9.4	33.3	6.7	–	–	12	–	4	–	–	–	–
August	29.5	15.7	34.9	10.4	37.2	5.0	–	–	14	–	4	–	–	–	–
September	32.8	18.4	38.4	13.1	40.0	9.4	–	–	9	–	2	–	–	–	–
October	36.1	21.4	41.1	16.1	43.9	11.7	–	–	14	–	3	–	–	–	–
November	35.1	22.8	41.2	19.4	43.9	17.2	–	–	125	–	9	–	–	–	–
December	33.5	23.1	38.4	19.9	42.2	17.8	–	–	163	–	12	–	–	–	–
Year	31.6	19.8	41.8*	8.1*	43.9	5.0	–	–	910	–	95	–	–	–	–
No. of Years	13	13	13	13	13	13	–	–	13	–	13	–	–	–	–

Zomba 15°23'S 35°19'E 949 m

Period 1946–68 Bibliography 67, 68, 69	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						per cent		millimetres			hours		hours	
January	27.1	18.8	30.5	16.8	33.3	15.0	82	70	282	–	21	–	–	–	–
February	26.9	18.7	29.8	16.4	31.1	14.4	86	71	256	–	19	–	–	–	–
March	26.3	18.2	29.1	15.6	31.7	13.9	88	68	284	–	21	–	–	–	–
April	25.4	17.6	29.1	13.5	32.2	11.7	85	62	80	–	11	–	–	–	–
May	23.9	14.3	27.3	11.1	29.4	10.0	85	59	26	–	7	–	–	–	–
June	22.4	12.4	26.3	9.3	29.4	6.1	82	54	9	–	4	–	–	–	–
July	22.2	12.1	25.8	8.8	27.2	7.2	81	55	9	–	3	–	–	–	–
August	24.3	13.1	28.6	9.3	31.7	7.2	77	47	8	–	2	–	–	–	–
September	27.1	15.2	30.9	11.3	32.8	8.4	69	41	13	–	2	–	–	–	–
October	29.8	18.1	33.1	13.6	35.0	10.0	64	39	25	–	3	–	–	–	–
November	29.3	19.0	33.6	15.5	36.1	12.8	71	50	133	–	10	–	–	–	–
December	27.6	18.8	31.3	16.1	33.9	13.3	80	64	299	–	18	–	–	–	–
Year	26.0	16.4	34.1*	8.2*	36.1	6.1	79	57	1424	–	121	–	–	–	–
No. of Years	19	19	19	19	19	19	6	6	20	–	20	–	–	–	–

*Average of highest/lowest each year

MALI

Bamako 12°38′N 08°01′W 331 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.4	16.4	36.6	11.8	38.9	8.7	41	20	1	< 1	< 1	268	–	–	< 1
February	36.4	19.0	39.4	14.0	40.5	11.5	35	16	< 1	3	< 1	252	–	–	< 1
March	38.3	22.2	40.9	17.7	42.5	16.0	36	18	5	16	1	277	–	–	0
April	38.9	24.4	41.7	20.1	43.5	16.7	51	27	16	63	3	239	–	–	1
May	37.9	24.9	41.4	20.9	43.0	18.7	71	42	60	64	7	235	–	–	1
June	34.7	22.6	39.3	19.3	42.0	17.5	85	58	150	106	13	233	–	–	1
July	31.5	21.8	35.0	19.3	37.0	18.0	91	69	246	85	17	205	–	–	1
August	30.3	21.5	33.0	19.4	35.2	17.5	94	74	311	163	20	168	–	–	1
September	31.4	21.4	34.4	19.2	36.4	18.3	94	69	230	152	17	206	–	–	< 1
October	33.9	21.1	36.2	17.8	37.6	14.7	90	54	70	60	7	240	–	–	1
November	34.7	18.4	37.0	13.9	42.0	10.8	70	32	8	34	1	251	–	–	< 1
December	33.1	16.3	36.1	11.9	40.0	9.2	51	24	1	20	< 1	245	–	–	1
Year	34.5	20.8	42.0*	10.9*	43.5	8.7	67	42	1098	163	86	2819	–	–	7
No. of Years	22	22	22	22	22	22	22	17	22	18	22	18	–	–	12

Bougouni 11°25′N 07°29′W 350 m

Period 1949–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.8	16.2	36.9	12.4	39.8	10.4	46	19	< 1	< 1	< 1	–	–	–	–
February	36.2	19.1	39.0	15.2	41.0	13.1	43	19	2	7	< 1	–	–	–	–
March	37.6	22.1	39.8	17.5	41.3	15.0	51	26	9	17	2	–	–	–	–
April	37.1	24.2	39.9	20.3	41.1	17.2	66	40	34	82	4	–	–	–	–
May	35.3	23.9	39.1	20.2	42.5	18.9	81	54	93	48	9	–	–	–	–
June	32.6	22.3	36.6	19.4	39.4	18.5	90	65	158	59	13	–	–	–	–
July	30.2	21.4	33.5	19.4	35.7	17.5	95	73	277	128	18	–	–	–	–
August	29.5	21.3	32.0	19.4	33.6	18.7	96	76	338	122	20	–	–	–	–
September	30.4	21.2	33.1	19.6	34.8	18.0	95	69	224	67	19	–	–	–	–
October	32.7	21.1	34.9	19.0	36.7	15.4	94	59	101	91	11	–	–	–	–
November	34.0	18.7	35.9	14.6	37.4	12.0	84	38	10	27	2	–	–	–	–
December	33.2	15.7	35.7	12.3	39.8	8.0	62	23	4	41	< 1	–	–	–	–
Year	33.5	20.6	40.3*	11.5*	42.5	8.0	75	47	1250	128	98	–	–	–	–
No. of Years	22	22	22	22	22	22	22	17	30	18	22	–	–	–	–

Gao 16°16′N 00°03′W 258 m

Period 1949–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.1	14.1	35.5	9.9	38.0	7.4	32	15	< 1	1	< 1	291	–	–	< 1
February	34.3	16.7	38.8	11.5	43.0	6.5	27	11	< 1	4	< 1	270	–	–	< 1
March	37.5	20.0	41.4	15.2	44.6	11.6	28	9	< 1	2	< 1	290	–	–	< 1
April	40.3	23.7	43.8	18.6	45.3	14.5	30	10	1	7	< 1	280	–	–	< 1
May	42.2	27.1	45.3	22.4	46.9	19.0	37	17	5	21	1	298	–	–	< 1
June	41.3	27.6	45.1	22.1	47.2	18.2	52	27	27	39	4	266	–	–	< 1
July	37.9	25.7	42.9	20.1	45.0	18.0	67	40	73	47	9	285	–	–	0
August	35.4	24.3	40.0	19.7	42.2	15.8	80	52	107	119	10	267	–	–	< 1
September	37.4	24.7	41.3	20.6	45.6	18.4	75	40	38	41	7	276	–	–	0
October	39.1	24.0	41.5	20.2	43.4	17.0	50	20	7	23	1	296	–	–	< 1
November	36.2	19.5	39.3	15.2	40.7	10.5	36	13	0	< 1	0	292	–	–	< 1
December	31.6	15.2	35.5	10.6	38.3	8.1	35	15	< 1	2	0	274	–	–	< 1
Year	37.0	21.9	45.7*	9.1*	47.2	6.5	46	22	258	119	32	3385	–	–	< 1
No. of Years	22	22	22	22	22	22	22	17	22	18	22	18	–	–	12

*Average of highest/lowest each year

MALI

Hombori 15°17′N 01°42′W 287 m

Period 1941–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				per cent		millimetres			hours		hours	
January	32.3	17.0	36.6	12.1	39.1	10.8	28	16	< 1	< 1	< 1	287	–	–	0
February	35.5	19.5	39.9	14.3	42.0	9.7	24	13	< 1	1	< 1	274	–	–	< 1
March	38.6	22.5	42.1	16.5	45.2	12.0	23	12	1	3	< 1	295	–	–	< 1
April	40.8	25.5	44.2	20.1	45.6	16.2	26	13	1	6	< 1	274	–	–	< 1
May	41.9	28.4	44.8	23.1	46.0	18.6	39	22	13	46	2	274	–	–	< 1
June	40.1	27.4	44.4	21.5	47.1	17.5	56	36	49	50	7	253	–	–	< 1
July	36.7	24.7	41.1	20.1	44.0	16.5	71	50	118	55	11	256	–	–	0
August	34.0	23.7	37.8	19.9	42.4	17.6	81	62	185	82	13	252	–	–	< 1
September	35.9	24.2	40.0	20.3	42.1	18.6	77	51	73	77	9	268	–	–	0
October	39.0	24.2	41.2	20.0	42.2	16.1	53	26	11	33	2	295	–	–	0
November	37.0	21.1	39.8	16.8	40.5	15.0	33	16	< 1	1	< 1	288	–	–	0
December	32.8	17.4	36.5	12.1	38.8	9.6	31	17	1	2	< 1	274	–	–	0
Year	37.1	23.0	45.1*	11.0*	47.1	9.6	45	28	452	82	44	3290	–	–	< 1
No. of Years	22	22	22	22	22	22	22	17	22	18	21	14	–	–	8

Kayes 14°26′N 11°26′W 46 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
			degrees Celsius				per cent		millimetres			hours		hours	
January	33.9	16.6	38.0	12.2	45.0	9.8	33	17	< 1	1	< 1	261	–	–	< 1
February	36.9	19.2	41.1	15.2	43.5	12.7	29	14	1	10	< 1	243	–	–	< 1
March	39.8	21.9	43.4	17.7	46.2	11.6	25	12	< 1	0	< 1	298	–	–	< 1
April	41.9	25.0	44.7	20.7	46.4	15.7	27	14	1	9	< 1	291	–	–	< 1
May	42.0	28.0	45.1	22.8	48.7	19.0	43	26	16	30	3	271	–	–	< 1
June	37.8	25.8	43.2	20.2	46.5	18.3	70	50	101	64	10	235	–	–	1
July	33.0	23.6	37.1	19.8	40.2	18.2	86	68	174	77	14	211	–	–	1
August	31.5	22.9	34.4	19.9	37.6	19.0	91	75	242	95	17	188	–	–	1
September	32.6	22.8	35.8	20.1	37.2	19.2	93	71	157	80	14	223	–	–	1
October	35.6	22.7	38.5	18.9	40.5	15.3	88	55	52	82	6	252	–	–	< 1
November	36.8	19.9	39.3	16.1	40.7	14.0	62	29	6	47	1	257	–	–	< 1
December	33.6	16.9	37.7	12.2	40.4	8.4	40	21	< 1	1	< 1	237	–	–	1
Year	36.3	22.1	45.5*	11.6*	48.7	8.4	57	38	750	95	65	2967	–	–	5
No. of Years	22	22	22	22	22	22	22	17	22	18	22	18	–	–	13

Kéniéba 12°50′N 11°15′W 136 m

Period 1949–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				per cent		millimetres			hours		hours	
January	35.2	17.9	38.5	12.9	41.2	8.8	44	23	< 1	< 1	< 1	270	–	–	< 1
February	37.6	20.2	41.0	15.5	43.0	12.6	39	23	< 1	6	< 1	259	–	–	< 1
March	39.4	22.6	42.1	17.6	44.6	13.8	36	22	< 1	3	< 1	295	–	–	0
April	40.5	24.9	42.9	20.3	44.0	16.5	46	28	6	23	1	290	–	–	0
May	38.8	26.4	42.6	21.5	44.4	19.0	64	43	57	56	6	270	–	–	1
June	34.6	24.1	39.4	20.1	42.7	17.0	83	65	171	70	13	242	–	–	< 1
July	31.3	22.9	34.7	20.0	36.2	18.0	91	76	289	129	18	188	–	–	1
August	30.4	22.7	33.1	20.2	34.8	19.1	94	80	402	190	20	162	–	–	1
September	31.2	22.4	34.0	20.0	35.0	18.0	95	77	317	112	19	190	–	–	< 1
October	33.0	22.1	35.7	19.1	37.4	15.6	93	68	116	66	10	242	–	–	0
November	35.0	18.7	37.5	13.8	38.5	9.1	87	47	10	31	1	262	–	–	< 1
December	34.3	16.4	37.5	12.6	39.4	9.6	66	30	2	10	< 1	268	–	–	< 1
Year	35.1	21.8	43.3*	11.6*	44.6	8.8	70	49	1370	190	88	2938	–	–	3
No. of Years	22	22	22	22	22	22	22	17	22	18	22	12	–	–	7

---

*Average of highest/lowest each year

MALI

Kidal 18°26′N 01°21′E 462 m

Period 1949–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	28.7	12.2	33.4	8.1	37.5	5.7	32	16	0	0	0	297	–	–	0
February	31.9	15.0	36.4	10.3	39.2	6.0	27	13	< 1	2	< 1	271	–	–	< 1
March	35.3	18.3	39.4	13.2	42.6	9.8	25	11	1	5	< 1	309	–	–	< 1
April	38.2	22.6	42.1	17.7	43.7	14.2	23	12	1	12	< 1	299	–	–	< 1
May	41.0	26.2	44.0	21.6	45.8	18.2	29	15	6	15	1	316	–	–	< 1
June	41.5	27.9	44.9	23.1	46.3	20.4	41	21	12	21	4	282	–	–	1
July	39.6	26.7	43.4	22.5	44.5	19.0	55	29	38	51	6	311	–	–	0
August	37.9	25.6	42.1	21.4	43.6	18.7	65	37	53	55	8	293	–	–	0
September	38.8	25.6	42.2	22.0	44.3	20.2	55	26	26	29	4	279	–	–	< 1
October	37.8	23.0	40.5	19.1	42.8	16.8	37	17	3	18	1	303	–	–	0
November	33.6	17.9	37.2	13.1	38.5	10.2	35	17	< 1	< 1	< 1	292	–	–	0
December	29.4	14.0	33.4	9.2	37.3	5.5	36	18	< 1	3	1	278	–	–	< 1
Year	36.1	21.3	45.0*	7.7*	46.3	5.5	38	19	140	55	25	3530	–	–	1
No. of Years	13	13	13	13	13	13	13	8	22	18	18	13	–	–	8

Kita 13°04′N 09°27′W 328 m

Period 1949–70 Bibliography 11, 12, 13, 14,15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.6	18.5	37.6	14.1	43.0	12.0	31	21	< 1	1	< 1	279	–	–	0
February	36.8	21.3	40.2	16.1	41.2	11.8	28	16	< 1	10	< 1	268	–	–	< 1
March	38.6	23.6	41.2	19.4	42.6	18.0	26	13	1	3	1	289	–	–	0
April	39.2	25.4	41.6	21.0	42.4	17.7	38	21	11	79	2	275	–	–	< 1
May	38.8	25.7	42.9	21.0	47.6	19.0	61	35	49	60	8	261	–	–	1
June	35.0	23.7	40.4	19.3	41.2	18.0	78	54	146	65	12	247	–	–	< 1
July	31.0	22.1	34.6	19.4	35.6	18.8	90	69	260	75	17	211	–	–	1
August	29.7	21.6	32.5	19.4	33.5	19.0	93	76	332	82	21	178	–	–	1
September	30.9	21.3	33.7	19.0	34.6	17.5	93	70	234	67	18	203	–	–	< 1
October	33.5	21.4	36.6	18.0	38.2	15.8	90	55	81	54	7	252	–	–	< 1
November	34.9	18.9	37.2	14.6	38.5	11.8	65	28	10	20	1	267	–	–	0
December	33.0	18.0	36.3	13.8	38.0	11.6	41	24	2	16	< 1	276	–	–	0
Year	34.6	21.8	43.2*	12.9*	47.6	11.6	61	40	1126	82	87	3006	–	–	3
No. of Years	10	10	10	10	10	10	10	5	22	10	10	10	–	–	5

Koutiala 12°24′N 05°28′W 344 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.3	12.2	36.7	8.2	38.6	5.0	69	21	1	10	< 1	–	–	–	–
February	36.2	14.9	39.4	10.2	40.7	7.0	58	16	2	18	< 1	–	–	–	–
March	38.3	19.1	41.0	13.8	42.6	8.6	53	19	4	15	1	–	–	–	–
April	38.4	23.5	41.5	17.3	43.4	13.8	59	31	38	156	3	–	–	–	–
May	36.9	24.6	41.0	20.3	43.0	17.7	72	45	71	139	7	–	–	–	–
June	34.3	23.1	38.5	19.7	40.7	16.2	82	57	138	217	11	–	–	–	–
July	31.3	21.8	34.6	19.5	36.1	18.0	90	68	221	258	16	–	–	–	–
August	29.9	21.6	32.7	19.5	33.9	18.9	93	74	316	410	19	–	–	–	–
September	31.1	21.4	34.0	19.6	35.5	18.4	93	68	199	401	16	–	–	–	–
October	33.8	21.0	36.3	17.7	38.0	13.9	89	54	63	215	7	–	–	–	–
November	34.8	17.0	36.7	12.2	39.0	8.8	85	31	7	26	1	–	–	–	–
December	33.0	12.9	35.6	8.9	37.0	6.0	78	23	2	17	< 1	–	–	–	–
Year	34.3	19.4	41.9*	7.5*	43.4	5.0	77	42	1062	410	81	–	–	–	–
No. of Years	22	22	22	22	22	22	22	17	22	22	22	–	–	–	–

*Average of highest/lowest each year

MALI

Ménaka 15°52′N 02°13′E 280 m

Period 1949–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.8	14.5	35.7	9.7	39.5	5.5	30	13	< 1	< 1	< 1	284	–	–	< 1
February	24.7	17.1	38.9	12.0	41.0	8.2	26	11	< 1	1	< 1	271	–	–	< 1
March	38.3	20.9	41.7	14.9	44.5	11.8	23	9	1	< 1	< 1	286	–	–	1
April	41.1	24.2	44.1	18.0	49.0	13.6	26	11	1	7	< 1	266	–	–	< 1
May	42.0	27.3	44.8	22.0	46.6	18.7	39	19	6	13	1	276	–	–	< 1
June	40.8	27.4	44.4	21.8	46.0	18.4	54	29	28	50	4	268	–	–	0
July	37.5	25.5	42.5	20.5	44.6	19.0	70	42	81	67	8	272	–	–	< 1
August	34.8	24.0	39.2	20.0	42.0	19.0	82	54	12	63	10	262	–	–	< 1
September	36.7	24.0	40.5	20.0	44.0	18.4	78	42	48	50	6	264	–	–	0
October	39.1	23.1	41.0	19.1	42.8	16.6	53	21	7	28	1	297	–	–	0
November	36.6	19.3	39.2	14.7	41.8	12.0	37	13	< 1	4	< 1	290	–	–	0
December	32.9	15.5	36.1	10.2	39.3	6.6	34	14	< 1	2	< 1	293	–	–	1
Year	37.2	21.9	45.2*	8.6*	49.0	5.5	46	23	184	67	30	3319	–	–	2
No. of Years	22	22	22	22	22	22	22	17	22	18	22	14	–	–	8

Mopti 14°32′N 04°05′W 268 m

Period 1949–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	13.9	35.4	9.1	39.2	7.0	51	19	< 1	< 1	< 1	263	–	–	1
February	35.2	16.5	39.8	11.6	41.6	8.8	41	14	< 1	< 1	< 1	258	–	–	< 1
March	37.8	19.7	41.7	13.9	44.6	10.0	36	12	1	4	< 1	281	–	–	< 1
April	39.7	23.1	43.1	17.1	44.1	13.4	39	16	4	12	1	251	–	–	< 1
May	40.1	25.3	43.6	21.0	45.4	17.6	56	28	29	42	4	251	–	–	1
June	38.0	24.8	42.7	20.3	45.3	18.4	74	41	65	57	9	244	–	–	< 1
July	34.2	23.2	38.8	19.9	42.2	18.6	86	59	162	68	14	237	–	–	1
August	31.7	22.7	34.9	20.0	38.5	18.0	91	70	199	92	16	221	–	–	< 1
September	32.2	23.0	35.5	20.2	39.6	18.8	91	65	101	93	11	242	–	–	< 1
October	34.1	22.6	37.7	18.4	40.2	16.1	81	49	23	37	4	274	–	–	< 1
November	34.6	18.7	38.4	14.6	44.5	11.9	57	25	< 1	2	< 1	266	–	–	1
December	31.0	15.2	35.7	10.3	39.3	7.0	53	21	1	2	< 1	236	–	–	2
Year	35.0	20.7	44.1*	8.7*	45.4	7.0	63	35	585	93	59	3024	–	–	6
No. of Years	22	22	22	22	22	22	22	17	22	17	22	18	–	–	12

Nioro du Sahel 15°14′N 09°36′W 228 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.6	12.8	37.2	7.6	40.7	3.6	43	21	1	15	< 1	–	–	–	–
February	35.7	15.5	40.3	10.3	42.7	7.2	38	19	1	12	< 1	–	–	–	–
March	38.7	18.4	42.2	13.3	45.0	8.4	33	16	< 1	< 1	< 1	–	–	–	–
April	40.8	22.3	44.3	16.9	46.6	13.8	32	17	4	21	1	–	–	–	–
May	41.9	26.5	45.0	21.4	46.6	17.2	42	24	11	43	2	–	–	–	–
June	39.6	26.4	44.8	21.7	48.5	19.0	64	40	59	75	7	–	–	–	–
July	34.0	23.8	38.9	20.3	42.8	18.0	83	61	174	87	12	–	–	–	–
August	31.9	22.8	36.3	20.2	39.6	17.0	90	72	242	103	14	–	–	–	–
September	33.6	23.0	37.5	20.2	40.7	19.0	90	63	116	70	11	–	–	–	–
October	37.0	22.2	40.0	17.0	43.0	11.4	77	39	22	37	3	–	–	–	–
November	36.5	17.8	39.4	13.0	40.6	10.2	54	23	1	7	< 1	–	–	–	–
December	32.2	13.5	37.0	8.2	41.6	3.6	48	23	1	8	< 1	–	–	–	–
Year	36.2	20.4	45.9*	7.0*	48.5	3.6	58	35	632	103	50	–	–	–	–
No. of Years	22	22	22	22	22	22	22	18	22	18	22	–	–	–	–

*Average of highest/lowest each year

MALI

San 13°17′N 04°53′W 283 m

Period 1949–70 Bibliography 11, 13, 14 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.0	14.1	37.2	10.4	39.0	6.0	68	19	< 1	5	< 1	301	–	–	0
February	36.7	16.4	40.5	12.3	41.8	7.0	54	13	< 1	5	< 1	262	–	–	< 1
March	39.2	20.1	42.4	15.5	44.2	11.6	43	15	3	13	1	276	–	–	< 1
April	40.3	24.2	43.3	18.9	45.0	13.2	44	22	12	26	2	254	–	–	0
May	39.6	25.9	43.2	21.2	45.0	18.8	62	35	47	135	6	276	–	–	< 1
June	36.6	24.3	41.2	19.9	43.4	18.0	78	50	96	64	10	270	–	–	0
July	33.1	22.8	37.4	19.4	40.1	18.2	88	63	180	124	15	251	–	–	0
August	31.1	22.1	34.7	19.6	36.4	18.0	93	73	270	75	17	236	–	–	< 1
September	31.9	22.2	35.0	19.9	37.0	18.4	93	67	136	116	12	236	–	–	0
October	34.9	22.5	37.4	19.6	39.0	17.0	85	50	32	47	4	286	–	–	0
November	35.4	19.9	37.8	15.8	38.8	12.5	79	28	2	16	< 1	279	–	–	0
December	32.5	15.7	36.2	11.3	38.1	8.2	76	24	1	9	< 1	253	–	–	0
Year	35.4	20.9	43.7*	9.7*	45.0	6.0	72	38	779	135	67	3180	–	–	< 1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	5	–	–	5

Ségou 13°24′N 06°17′W 288 m

Period 1949–70 Bibliography 11, 12, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.3	15.4	36.5	10.9	38.5	7.8	49	19	< 1	4	< 1	293	–	–	< 1
February	35.5	18.0	39.7	13.4	42.5	10.4	40	14	< 1	2	< 1	273	–	–	< 1
March	38.0	20.8	41.2	15.9	43.2	12.0	40	15	4	28	1	292	–	–	< 1
April	39.3	24.0	42.3	18.8	45.7	14.9	45	21	11	41	2	267	–	–	< 1
May	39.0	25.5	42.4	21.1	44.1	18.9	63	34	26	49	5	265	–	–	1
June	36.0	24.1	41.0	19.7	42.8	18.4	77	51	91	76	10	264	–	–	< 1
July	32.1	22.5	36.6	19.4	38.5	17.4	89	66	186	81	16	244	–	–	1
August	30.5	22.0	33.2	19.4	35.3	15.4	93	73	253	94	19	224	–	–	< 1
September	31.5	21.9	34.5	19.6	37.8	18.5	92	68	136	82	13	241	–	–	< 1
October	34.3	21.4	37.0	17.6	40.0	14.8	86	49	33	43	4	278	–	–	< 1
November	35.1	18.6	37.5	14.0	39.5	11.0	66	28	2	17	< 1	280	–	–	< 1
December	32.2	16.0	36.0	11.3	39.2	8.6	54	23	1	16	< 1	274	–	–	< 1
Year	34.7	20.9	42.9*	10.3*	45.7	7.8	66	38	743	94	70	3195	–	–	2
No. of Years	22	22	22	22	22	22	22	17	22	18	22	18	–	–	12

Sikasso 11°21′N 05°45′W 374 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	34.0	14.4	36.9	10.6	38.6	8.2	61	20	1	9	< 1	272	–	–	< 1
February	36.3	17.5	39.1	13.1	40.8	10.0	54	20	4	18	1	241	–	–	< 1
March	37.7	21.3	40.1	16.3	42.1	13.0	58	26	16	50	2	240	–	–	< 1
April	37.2	24.1	40.2	19.7	41.1	16.8	70	40	48	64	6	218	–	–	0
May	35.6	23.8	39.2	20.1	41.0	18.2	80	52	113	109	10	243	–	–	< 1
June	33.2	22.3	36.7	19.2	39.0	17.7	88	62	160	60	14	233	–	–	< 1
July	30.9	21.5	34.1	19.2	36.2	18.2	93	70	265	146	19	211	–	–	< 1
August	29.8	21.4	32.8	19.3	34.3	17.0	95	74	348	166	22	174	–	–	1
September	30.9	21.2	33.8	19.3	35.6	18.0	96	70	229	95	20	182	–	–	< 1
October	33.3	21.3	35.7	18.7	36.9	14.0	92	57	91	73	10	241	–	–	0
November	34.4	18.4	36.3	13.4	37.0	11.0	89	38	15	27	2	254	–	–	0
December	33.4	14.4	35.9	10.9	36.8	8.0	77	25	4	33	1	264	–	–	0
Year	33.9	20.1	40.4*	10.1*	42.1	8.0	79	46	1294	166	107	2773	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	14	–	–	9

---

*Average of highest/lowest each year

MALI

Tessalit 20°12′N 00° 59′E 493 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.1	12.3	31.9	5.9	34.0	3.6	30	17	< 1	2	1	294	–	–	0
February	30.1	15.2	36.2	8.9	38.1	4.4	23	13	< 1	2	< 1	272	–	–	< 1
March	33.8	17.8	38.7	11.2	42.5	7.0	22	13	< 1	3	< 1	304	–	–	< 1
April	37.1	21.0	41.9	14.3	44.0	8.7	21	12	< 1	1	< 1	299	–	–	< 1
May	40.6	25.3	43.9	16.7	46.4	12.1	24	14	6	60	1	307	–	–	< 1
June	42.8	28.1	43.2	23.3	46.3	18.4	29	16	5	15	2	263	–	–	1
July	41.8	27.2	45.4	21.3	49.0	16.0	42	22	17	26	4	291	–	–	0
August	40.1	24.6	41.7	20.0	45.0	14.0	55	29	43	65	7	284	–	–	< 1
September	40.2	25.9	42.8	20.5	44.3	12.9	43	21	18	29	4	267	–	–	< 1
October	37.6	23.8	40.8	18.0	43.4	13.0	27	17	< 1	3	< 1	286	–	–	< 1
November	32.8	18.7	37.0	12.4	39.0	6.3	28	16	< 1	5	< 1	276	–	–	< 1
December	26.3	13.7	30.8	6.5	35.6	3.3	31	18	1	9	< 1	263	–	–	< 1
Year	35.9	21.1	45.9*	5.0*	49.0	3.3	31	17	90	65	18	3406	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

Tombouctou (Timbuktu) 16°46′N 03°01′W 269 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.1	12.7	35.5	8.1	39.4	5.0	39	23	< 1	< 1	< 1	282	–	–	< 1
February	34.6	15.5	39.5	10.6	42.5	5.8	34	19	< 1	5	< 1	269	–	–	< 1
March	37.5	18.4	42.2	13.4	45.6	9.0	32	17	< 1	1	< 1	299	–	–	< 1
April	40.5	22.1	44.6	16.7	47.0	13.4	30	15	1	7	< 1	292	–	–	< 1
May	42.9	25.5	47.0	21.2	54.5	18.3	39	20	4	20	1	304	–	–	0
June	41.9	26.5	46.3	22.2	48.0	20.0	57	31	20	74	4	283	–	–	< 1
July	38.4	25.2	43.7	21.1	45.6	18.8	73	44	54	53	8	297	–	–	0
August	35.3	24.0	40.5	20.4	42.4	18.8	84	56	93	69	10	280	–	–	< 1
September	38.0	24.2	42.7	21.1	45.3	19.0	80	43	31	25	5	278	–	–	0
October	39.7	22.8	42.5	18.5	44.1	12.7	52	23	3	16	1	293	–	–	< 1
November	36.7	18.3	40.3	13.7	42.3	10.0	39	19	< 1	1	< 1	286	–	–	< 1
December	31.4	13.8	36.0	8.6	40.0	6.0	41	22	< 1	8	< 1	276	–	–	< 1
Year	37.3	20.7	47.4*	7.4*	54.5	5.0	50	28	206	74	29	3439	–	–	< 1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	14	–	–	9

*Average of highest/lowest each year

MAURITANIA

Akjoujt   19°45'N 14°22'W   118 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.5	15.0	33.7	10.5	37.0	6.0	48	36	2	9	1	273	–	–	< 1
February	31.2	16.6	36.5	12.4	40.8	9.8	45	30	4	41	1	260	–	–	< 1
March	34.2	18.4	39.4	14.1	43.8	12.0	43	28	< 1	3	< 1	320	–	–	0
April	36.1	20.4	41.3	16.1	45.0	12.6	44	28	< 1	< 1	< 1	327	–	–	< 1
May	39.4	24.1	44.8	18.9	47.7	16.8	40	25	< 1	1	< 1	337	–	–	< 1
June	42.1	26.9	46.4	22.0	48.5	19.6	40	26	2	10	1	313	–	–	< 1
July	40.9	25.5	46.4	21.3	48.0	19.5	61	38	9	55	1	311	–	–	0
August	39.8	25.7	44.8	21.3	46.9	17.2	65	42	33	37	4	304	–	–	< 1
September	39.6	26.4	44.0	21.4	46.1	19.0	58	37	32	65	4	268	–	–	< 1
October	37.7	24.6	41.9	20.1	44.5	17.5	48	32	16	32	1	267	–	–	< 1
November	33.6	20.2	38.0	15.9	40.9	13.4	49	33	5	26	1	268	–	–	1
December	28.3	15.4	34.0	10.8	36.6	8.6	51	38	6	26	1	276	–	–	1
Year	35.9	21.6	46.9*	9.8*	48.5	6.0	49	33	109	65	15	3524	–	–	2
No. of Years	22	22	22	22	22	22	22	18	22	18	22	15	–	–	11

Atar   20°31'N 13°04'W   226 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.6	12.5	32.9	7.0	36.6	2.0	45	32	4	13	1	267	–	–	1
February	30.3	14.0	35.8	8.6	43.0	5.0	42	28	4	22	1	261	–	–	< 1
March	33.4	16.3	38.6	11.7	43.8	8.8	39	27	1	13	< 1	316	–	–	< 1
April	35.3	18.6	40.7	13.6	42.6	10.0	36	24	< 1	1	< 1	325	–	–	< 1
May	39.1	22.7	44.1	17.4	46.4	14.5	32	21	< 1	2	< 1	332	–	–	< 1
June	41.8	26.3	45.9	21.9	47.7	18.3	32	21	2	5	1	315	–	–	< 1
July	41.7	27.0	46.4	22.3	48.0	16.8	47	30	8	51	2	311	–	–	< 1
August	40.7	26.6	45.5	22.3	47.7	18.8	54	34	31	32	5	302	–	–	< 1
September	39.6	25.9	43.8	21.4	46.4	18.0	49	31	36	94	5	257	–	–	< 1
October	36.8	22.5	41.1	17.2	44.0	12.1	43	27	20	41	2	264	–	–	1
November	32.5	18.0	37.1	12.5	39.8	8.2	45	29	7	16	1	268	–	–	< 1
December	27.3	13.1	33.1	7.8	37.4	5.8	48	32	6	21	2	253	–	–	2
Year	35.5	20.3	46.7*	6.0*	48.0	2.0	43	28	119	94	20	3471	–	–	4
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

Bir-Moghrein (formerly Fort Trinquet)   25°14'N 11°37'W   359 m

Period 1956–70 Bibliography 11, 13, 14	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.1	10.9	28.0	6.3	32.3	3.4	70	41	1	5	1	254	–	–	< 1
February	25.4	11.7	30.7	7.8	36.0	5.3	66	33	3	6	1	254	–	–	< 1
March	28.3	13.6	34.4	9.5	40.6	7.0	70	33	1	5	< 1	309	–	–	0
April	30.0	14.3	36.8	10.2	40.1	8.4	72	33	< 1	1	< 1	323	–	–	0
May	33.4	17.0	41.0	12.3	43.2	10.0	68	30	< 1	2	< 1	344	–	–	0
June	35.8	18.3	43.6	13.7	46.0	11.8	73	33	1	5	< 1	334	–	–	< 1
July	41.5	23.0	46.2	15.9	48.5	12.8	57	24	1	4	< 1	319	–	–	0
August	41.0	23.5	45.7	16.4	47.0	12.9	57	26	6	33	1	309	–	–	< 1
September	36.9	21.8	42.8	16.2	45.0	14.3	63	31	7	52	1	275	–	–	< 1
October	31.7	18.6	37.7	13.9	40.3	12.0	69	37	10	57	1	274	–	–	< 1
November	26.6	14.4	32.1	10.2	36.0	7.2	72	40	4	31	1	258	–	–	1
December	22.2	10.4	26.4	6.2	29.4	2.2	75	43	13	47	1	255	–	–	< 1
Year	31.3	16.5	46.7*	4.8*	48.5	2.2	68	34	47	47	7	3508	–	–	1
No. of Years	15	15	15	15	15	15	13	9	15	15	15	14	–	–	9

*Average of highest/lowest each year

MAURITANIA

Boutilimit 17°32′N 14°41′W 77 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.9	15.4	34.9	10.7	38.1	7.2	35	22	1	9	1	269	–	–	< 1
February	32.7	17.0	38.2	12.8	42.0	9.4	36	20	3	31	1	260	–	–	< 1
March	35.7	18.7	40.3	14.4	44.4	11.5	37	19	< 1	0	< 1	311	–	–	< 1
April	37.8	20.3	41.9	15.7	44.0	12.4	41	18	< 1	3	< 1	323	–	–	0
May	40.6	22.8	44.9	17.6	46.1	14.0	47	20	2	11	1	325	–	–	0
June	40.7	24.0	45.1	19.4	46.2	15.4	61	30	6	22	2	301	–	–	< 1
July	37.5	23.9	42.9	20.5	46.3	18.3	80	47	36	68	3	304	–	–	< 1
August	35.9	24.0	39.9	19.9	43.0	15.8	84	55	67	80	6	279	–	–	< 1
September	36.6	24.3	41.5	20.3	46.7	17.5	81	49	55	68	6	264	–	–	< 1
October	37.5	23.4	41.4	19.1	47.3	16.9	58	31	25	33	3	266	–	–	< 1
November	35.1	20.4	38.9	16.2	41.0	14.2	43	25	1	9	< 1	268	–	–	< 1
December	30.1	16.0	35.8	11.5	38.7	9.6	40	25	4	28	1	252	–	–	1
Year	35.8	20.9	45.6*	10.2*	47.3	7.2	54	30	200	80	24	3422	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	14	–	–	9

Dakhla (formerly Villa Cisneros) 23°42′N 15°52′W 11 m

Period 1944–70 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	20.9	13.3	27.3	10.7	33.0	8.5	77	58	1	5	< 1	254	78	–	–
February	22.7	13.8	28.5	11.4	33.0	9.0	80	59	1	10	1	246	77	–	–
March	23.7	14.7	31.5	12.2	35.2	10.0	81	58	1	8	< 1	277	77	–	–
April	23.3	14.9	28.8	12.8	35.3	10.0	84	61	< 1	< 1	< 1	276	69	–	–
May	24.0	15.8	29.0	13.7	42.0	11.0	84	63	< 1	10	< 1	307	73	–	–
June	24.8	16.7	26.9	14.3	30.0	11.4	87	66	< 1	1	< 1	291	70	–	–
July	25.7	17.5	30.1	15.4	36.0	10.0	90	68	< 1	2	< 1	266	63	–	–
August	26.5	18.3	32.5	16.4	39.0	13.0	90	69	3	12	1	273	62	–	–
September	27.4	18.8	31.7	16.7	41.8	12.0	89	68	14	88	1	248	67	–	–
October	26.6	18.0	33.5	15.4	39.2	13.0	87	65	5	43	1	255	71	–	–
November	25.1	16.6	31.3	13.1	37.0	9.5	84	62	3	10	1	239	75	–	–
December	22.5	14.5	27.7	11.6	31.6	8.2	77	61	9	43	1	241	73	–	–
Year	24.4	16.1	36.5*	10.0*	42.0	8.2	84	63	37	88	6	3173	71	–	–
No. of Years	21	21	21	21	21	21	21	21	23	23	23	18	17	–	–

Néma 16° 37′N 07°16′W 269 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	17.0	36.4	12.2	39.0	8.2	24	17	3	33	< 1	281	–	–	< 1
February	34.5	19.8	40.0	14.8	44.0	11.0	22	15	< 1	5	< 1	266	–	–	< 1
March	37.1	22.7	41.9	17.7	45.3	15.1	19	13	< 1	3	< 1	307	–	–	< 1
April	40.0	25.6	44.0	20.1	45.8	15.2	19	13	5	41	1	302	–	–	< 1
May	42.3	28.8	45.2	24.0	46.6	19.9	26	17	6	17	2	293	–	–	< 1
June	41.8	28.1	45.4	22.2	49.4	19.6	47	28	32	65	5	277	–	–	< 1
July	38.2	25.2	43.2	20.1	46.0	16.8	70	45	80	45	9	285	–	–	< 1
August	35.5	24.2	39.9	20.0	42.2	16.2	80	56	112	93	11	264	–	–	< 1
September	37.4	24.6	41.5	20.3	44.1	18.4	73	45	61	53	8	267	–	–	0
October	39.0	25.7	41.9	22.1	46.0	19.3	40	23	14	45	2	273	–	–	< 1
November	36.2	22.6	36.6	18.1	41.0	11.0	27	18	1	8	< 1	277	–	–	< 1
December	31.1	17.7	36.8	12.0	40.0	8.4	28	20	2	17	1	245	–	–	1
Year	37.0	23.5	45.8*	11.2*	49.4	8.2	40	26	316	93	39	3337	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

*Average of highest/lowest each year

MAURITANIA

Nouadhibou (formerly Port Etienne) 20°56′N 17°03′W 8 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.3	13.6	29.1	10.5	32.8	8.5	76	55	2	8	1	264	–	–	1
February	25.4	14.2	30.8	11.4	33.8	10.0	79	52	2	9	1	252	–	–	1
March	27.0	14.8	32.8	12.5	38.5	11.0	84	51	2	27	< 1	298	–	–	< 1
April	26.2	15.1	34.3	13.2	39.8	11.0	86	51	1	14	1	299	–	–	1
May	26.5	16.1	34.8	14.3	38.9	13.2	87	53	< 1	< 1	< 1	322	–	–	< 1
June	27.9	17.4	35.3	15.5	39.2	12.6	87	54	< 1	2	< 1	307	–	–	< 1
July	27.2	18.8	34.5	17.2	37.3	15.5	90	65	1	10	< 1	272	–	–	1
August	28.2	19.9	34.8	18.0	39.2	16.6	89	66	4	13	1	296	–	–	< 1
September	30.5	20.3	37.8	17.9	40.4	16.4	85	59	8	10	2	262	–	–	< 1
October	29.9	19.0	36.9	16.0	39.7	14.4	85	56	7	27	2	259	–	–	1
November	27.3	16.8	32.9	13.9	36.5	12.0	83	55	6	13	1	254	–	–	1
December	24.7	14.5	29.6	11.3	32.9	8.0	75	56	2	5	1	255	–	–	1
Year	27.1	16.7	38.7*	10.1*	40.4	8.0	84	56	35	27	10	3340	–	–	7
No. of Years	22	22	22	22	22	22	22	18	21	18	21	18	–	–	13

Nouakchott 18°07′N 15°56′W 1 m

Period 1949–65 Bibliography 11, 13, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.2	13.4	34.5	8.1	39.9	3.9	52	30	1	6	1	236	–	–	1
February	31.1	14.5	37.3	10.4	41.7	8.4	53	27	2	12	1	249	–	–	< 1
March	33.1	16.3	39.6	12.5	43.4	10.7	58	29	< 1	0	< 1	301	–	–	< 1
April	33.6	17.5	41.0	14.4	45.7	10.0	68	30	< 1	1	< 1	322	–	–	0
May	34.3	19.4	43.3	16.0	47.0	14.2	73	35	< 1	0	< 1	316	–	–	< 1
June	34.2	21.8	44.6	18.4	47.2	16.0	77	45	1	4	1	287	–	–	< 1
July	32.1	23.8	40.5	20.9	45.3	17.7	84	59	15	37	2	267	–	–	0
August	32.7	24.6	38.8	21.2	44.7	17.7	86	64	61	76	6	272	–	–	< 1
September	34.7	24.7	41.9	21.4	45.5	19.3	83	55	47	70	5	261	–	–	< 1
October	35.6	22.3	41.5	18.2	44.1	15.8	73	39	10	30	2	269	–	–	< 1
November	34.2	18.4	39.6	13.8	42.3	10.9	61	29	4	24	1	260	–	–	< 1
December	29.3	14.0	35.4	8.6	38.5	5.4	54	31	10	51	1	248	–	–	2
Year	32.8	19.2	45.1*	7.3*	47.2	3.9	69	39	151	76	20	3288	–	–	3
No. of Years	17	17	17	17	17	17	17	17	17	13	17	13	–	–	8

Tidjikdja 18°33′N 11°26′W 399 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.8	12.2	33.0	7.0	36.8	3.0	46	29	1	3	1	272	–	–	< 1
February	30.7	14.4	36.5	9.2	39.7	5.0	43	25	4	25	1	263	–	–	< 1
March	33.9	16.9	38.9	12.0	43.1	7.0	38	22	2	23	< 1	311	–	–	1
April	36.0	19.4	41.1	14.4	44.0	11.0	35	19	< 1	7	< 1	325	–	–	< 1
May	39.8	23.8	43.6	18.7	46.0	14.0	33	19	6	28	1	314	–	–	< 1
June	41.1	26.5	44.3	22.3	46.0	19.4	40	26	7	43	2	264	–	–	< 1
July	39.0	25.9	44.4	20.8	45.7	17.9	58	39	20	40	4	302	–	–	< 1
August	37.3	24.8	42.0	20.1	43.5	12.4	70	49	71	91	7	299	–	–	< 1
September	37.8	24.5	41.7	20.1	44.0	16.0	67	41	48	80	5	270	–	–	1
October	36.6	22.0	40.2	17.5	41.5	12.7	51	30	18	39	2	278	–	–	1
November	32.9	17.5	37.1	12.4	39.5	7.0	48	27	4	18	1	265	–	–	1
December	27.7	12.8	33.6	7.7	37.0	3.5	49	29	2	15	1	251	–	–	1
Year	35.1	20.1	44.9*	6.2*	46.0	3.0	48	30	183	91	25	3414	–	–	5
No. of Years	22	22	22	22	22	22	22	18	22	18	22	13	–	–	10

*Average of highest/lowest each year

MOROCCO

Agadir 30°23′N 09°34′W 20 m

Period 1941–63 Bibliography 72, 73	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	19.8	7.4	26.2	2.5	31.1	−0.8	86	61	55	–	6	238	–	–	–
February	21.2	8.7	29.5	4.3	37.9	1.6	83	59	33	–	4	232	–	–	–
March	22.5	10.8	32.6	6.3	38.8	1.8	85	59	22	–	5	288	–	–	–
April	23.0	12.6	28.0	8.2	40.8	6.2	89	66	17	–	3	298	–	–	–
May	24.2	14.6	34.0	10.5	44.6	7.6	86	65	7	–	2	310	–	–	–
June	24.7	16.6	30.1	12.9	40.8	9.4	90	70	< 1	–	1	289	–	–	–
July	26.5	17.8	37.2	14.8	48.6	12.6	91	74	< 1	–	0	291	–	–	–
August	26.9	18.1	38.6	15.0	47.2	11.9	91	71	1	–	< 1	269	–	–	–
September	26.5	17.2	37.7	13.5	44.8	11.2	89	69	8	–	1	257	–	–	–
October	25.9	15.1	35.6	10.3	41.2	7.4	84	62	14	–	4	244	–	–	–
November	23.8	12.4	30.8	7.5	38.8	3.2	85	60	35	–	5	228	–	–	–
December	20.8	8.8	26.6	3.9	29.8	1.4	85	58	47	–	5	224	–	–	–
Year	23.0	13.3	43.4*	1.9*	48.6	−0.8	87	65	239	–	36	3168	–	–	–
No. of Years	23	23	23	23	23	23	11	11	23	–	11	9	–	–	–

Aït-Ourir 31°34′N 07°40′W 660 m

Period 1941–52 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	15.9	4.6	21.8	0.4	23.5	−1.5	–	–	42	–	–	–	–	–	–
February	18.5	6.3	25.4	1.3	29.0	0.0	–	–	32	–	–	–	–	–	–
March	21.9	9.0	29.9	4.9	33.9	3.0	–	–	42	–	–	–	–	–	–
April	24.5	10.9	31.5	7.1	35.5	4.0	–	–	57	–	–	–	–	–	–
May	28.0	13.3	36.3	8.8	42.0	7.5	–	–	31	–	–	–	–	–	–
June	31.8	16.4	39.2	13.0	42.0	11.0	–	–	13	–	–	–	–	–	–
July	35.5	18.6	43.8	14.1	44.8	12.0	–	–	4	–	–	–	–	–	–
August	36.1	19.0	43.1	15.0	45.5	13.9	–	–	4	–	–	–	–	–	–
September	31.3	16.6	39.9	11.1	42.0	8.0	–	–	18	–	–	–	–	–	–
October	27.7	14.4	34.6	9.1	38.8	6.5	–	–	20	–	–	–	–	–	–
November	21.3	10.5	29.2	7.3	32.0	3.5	–	–	32	–	–	–	–	–	–
December	17.4	7.0	21.5	2.7	24.0	1.0	–	–	42	–	–	–	–	–	–
Year	25.8	12.2	44.2*	−0.1*	45.5	−1.5	–	–	337	–	–	–	–	–	–
No. of Years	6	6	6	6	6	6	–	–	12	–	–	–	–	–	–

Averroès (Berrechid Averroès) 33°18′N 07°25′W 240 m

Period 1941–62 Bibliography 72, 73, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.5	4.5	23.6	−1.0	31.2	−4.2	95	64	54	37	9	–	–	–	–
February	19.6	4.6	26.0	−1.0	35.8	−5.2	93	59	51	45	7	–	–	–	–
March	21.7	6.8	30.2	0.8	34.0	−2.2	93	56	49	36	9	–	–	–	–
April	23.7	7.5	31.8	2.0	38.0	−1.0	93	51	37	36	6	–	–	–	–
May	26.7	10.1	35.5	4.1	43.8	1.4	92	47	15	40	3	–	–	–	–
June	29.9	13.6	38.7	7.7	44.6	4.8	86	42	5	20	1	–	–	–	–
July	32.8	15.7	42.5	11.1	48.2	8.0	84	39	1	2	< 1	–	–	–	–
August	33.4	16.0	41.7	10.9	47.7	7.3	87	39	1	2	< 1	–	–	–	–
September	31.0	14.2	39.6	8.8	43.7	6.0	86	45	9	33	1	–	–	–	–
October	27.5	11.1	35.6	5.1	39.3	0.6	83	45	31	59	5	–	–	–	–
November	22.7	8.4	30.0	2.5	36.0	−2.3	86	51	48	63	8	–	–	–	–
December	18.5	5.8	24.5	0.1	29.1	−3.0	94	66	67	28	9	–	–	–	–
Year	25.4	9.9	45.2*	−2.0*	48.2	−5.2	89	50	368	63	58	–	–	–	–
No. of Years	22	22	22	22	22	22	12	12	22	12	22	–	–	–	–

*Average of highest/lowest each year

MOROCCO

Bouârfa 32°34′N 01°58′W 1310 m

Period 1941–61 Bibliography 72, 73, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	12.4	1.8	19.0	−2.5	24.8	−10.8	–	–	16	–	4	–	–	–	–
February	15.4	3.1	21.6	−2.2	31.5	−8.8	–	–	9	–	3	–	–	–	–
March	18.2	5.5	25.1	−0.4	30.6	−5.5	–	–	33	–	5	–	–	–	–
April	22.0	8.1	28.8	1.7	34.2	−2.0	–	–	19	–	3	–	–	–	–
May	26.6	11.7	33.2	3.5	35.4	−3.8	–	–	15	–	5	–	–	–	–
June	33.1	16.7	37.6	9.7	39.5	3.0	–	–	8	–	1	–	–	–	–
July	37.4	21.2	40.2	14.5	41.4	9.1	–	–	2	–	1	–	–	–	–
August	36.8	21.3	39.9	15.2	42.2	12.2	–	–	8	–	2	–	–	–	–
September	31.3	16.9	36.6	9.9	39.0	3.8	–	–	15	–	4	–	–	–	–
October	24.6	11.7	30.7	6.2	33.9	2.6	–	–	16	–	3	–	–	–	–
November	18.3	7.5	24.4	1.9	29.5	−2.5	–	–	23	–	5	–	–	–	–
December	12.7	3.1	18.4	−1.7	23.8	−7.0	–	–	26	–	5	–	–	–	–
Year	24.1	10.7	40.6*	−5.4*	42.2	−10.8	–	–	190	–	41	–	–	–	–
No. of Years	16	19	16	19	16	19	–	–	20	–	10	–	–	–	–

Casablanca 33°35′N 07°39′W 50 m

Period 1941–63 Bibliography 72, 73, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	17.2	8.2	22.0	3.4	31.3	0.5	91	72	78	–	11	160	–	–	–
February	17.8	8.5	23.3	4.1	35.3	0.3	89	68	61	–	8	177	–	–	–
March	19.6	10.5	27.6	6.1	36.4	4.4	89	68	54	–	9	227	–	–	–
April	20.6	11.9	26.9	7.9	36.2	5.2	90	67	37	–	5	269	–	–	–
May	22.2	14.6	28.7	10.0	38.6	7.2	88	67	20	–	4	292	–	–	–
June	24.0	17.5	29.2	13.4	38.2	10.8	87	69	3	–	2	292	–	–	–
July	25.8	19.3	31.7	16.1	42.2	12.0	90	71	< 1	–	< 1	316	–	–	–
August	26.4	19.6	31.8	16.2	40.8	14.1	90	72	1	–	1	302	–	–	–
September	25.6	18.1	31.2	14.2	38.2	10.8	91	70	6	–	2	272	–	–	–
October	23.8	15.3	30.1	10.6	36.4	7.9	88	65	28	–	6	230	–	–	–
November	21.0	12.1	27.6	7.4	34.8	4.6	89	66	58	–	9	177	–	–	–
December	18.1	9.5	22.5	5.0	28.6	2.1	90	71	94	–	10	164	–	–	–
Year	21.8	13.8	36.0*	3.0*	42.2	0.3	89	69	440	–	67	2878	–	–	–
No. of Years	23	23	23	23	23	23	11	11	23	–	13	9	–	–	–

Essaouira (formerly Mogador) 31°31′N 09°47′W 5 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	18.4	10.2	23.4	6.6	30.5	3.0	83	71	54	–	9	191	–	–	–
February	18.5	10.6	23.4	7.2	31.0	4.9	81	71	35	–	6	228	–	–	–
March	19.4	12.2	25.8	8.5	34.6	5.8	82	74	33	–	8	245	–	–	–
April	19.7	13.5	24.5	10.0	33.2	7.0	87	79	25	–	5	284	–	–	–
May	20.5	15.0	25.7	12.0	33.0	9.0	89	82	14	–	3	289	–	–	–
June	21.1	16.4	25.0	14.0	38.7	11.8	91	86	1	–	1	308	–	–	–
July	20.7	17.1	27.1	15.0	39.0	14.0	93	87	< 1	–	< 1	323	–	–	–
August	21.9	17.1	28.0	15.7	40.0	13.5	92	86	< 1	–	< 1	314	–	–	–
September	22.2	16.9	28.9	14.7	39.5	12.7	90	83	6	–	1	292	–	–	–
October	22.0	15.8	29.0	12.3	38.5	9.0	85	80	20	–	5	251	–	–	–
November	20.7	13.6	26.8	10.3	35.0	6.0	84	75	49	–	6	209	–	–	–
December	19.1	11.2	23.4	7.5	27.9	5.0	81	71	57	–	9	196	–	–	–
Year	20.3	14.1	34.1*	5.9*	40.0	3.0	87	79	294	–	53	3130	–	–	–
No. of Years	22	22	22	22	22	22	11	11	22	–	11	5	–	–	–

---

*Average of highest/lowest each year

MOROCCO

Fès 34°02′N 05°00′W 415 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0530	Average of observations at 1130	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				per cent		millimetres			hours		hours	
January	15.0	4.5	20.8	−0.7	26.2	−4.0	90	71	80	–	12	156	–	–	–
February	17.5	5.3	23.8	0.2	30.9	−4.6	87	63	72	–	9	186	–	–	–
March	19.9	7.7	27.1	2.2	33.0	−0.5	86	62	71	–	12	219	–	–	–
April	22.1	9.4	29.3	3.8	35.3	0.2	88	60	64	–	9	243	–	–	–
May	26.0	11.9	34.2	6.4	40.0	3.3	84	52	37	–	6	264	–	–	–
June	31.2	15.2	38.7	9.4	43.4	6.3	82	48	12	–	4	300	–	–	–
July	35.7	17.9	43.0	12.6	45.6	9.8	82	41	1	–	1	351	–	–	–
August	35.8	18.1	42.4	12.5	45.0	8.4	70	38	3	–	1	327	–	–	–
September	31.5	16.0	38.9	10.6	42.0	6.7	75	45	15	–	3	259	–	–	–
October	26.1	12.4	33.2	6.5	37.8	3.3	79	51	36	–	7	229	–	–	–
November	20.2	8.5	26.6	3.1	30.0	−2.9	87	62	61	–	11	168	–	–	–
December	16.1	5.7	21.6	0.1	29.8	−3.0	87	67	85	–	12	134	–	–	–
Year	24.8	11.1	43.3*	−1.5*	45.6	−4.6	82	55	537	–	87	2836	–	–	–
No. of Years	22	22	22	22	22	22	11	11	23	–	11	7	–	–	–

Figuig 32°07′N 01°14′W 900 m

Period 1941–62 Bibliography 72, 73, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at –	Average of observations at –	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				per cent		millimetres			hours		hours	
January	16.0	3.0	22.1	−1.3	27.0	−7.2	–	–	10	–	2	–	–	–	–
February	19.3	4.9	24.9	0.7	30.0	−3.8	–	–	9	–	1	–	–	–	–
March	23.6	8.2	30.0	3.0	33.5	−0.5	–	–	23	–	3	–	–	–	–
April	27.1	11.7	32.7	6.9	36.3	4.0	–	–	16	–	2	–	–	–	–
May	32.4	15.7	38.8	8.8	42.3	4.0	–	–	5	–	1	–	–	–	–
June	38.3	20.9	42.9	16.3	46.0	10.0	–	–	3	–	1	–	–	–	–
July	42.3	24.1	45.6	19.9	48.0	17.0	–	–	1	–	< 1	–	–	–	–
August	41.4	23.5	44.7	20.1	48.0	17.5	–	–	7	–	1	–	–	–	–
September	35.4	19.6	40.8	14.5	45.0	11.0	–	–	9	–	2	–	–	–	–
October	28.2	13.9	34.5	8.7	38.0	6.5	–	–	18	–	3	–	–	–	–
November	21.5	8.6	27.8	3.9	36.5	−1.0	–	–	16	–	2	–	–	–	–
December	16.1	4.7	21.2	−0.2	24.0	−2.5	–	–	17	–	3	–	–	–	–
Year	28.5	13.2	45.8*	−2.2*	48.0	−7.2	–	–	134	–	21	–	–	–	–
No. of Years	20	20	20	20	20	20	–	–	21	–	11	–	–	–	–

Ifrane 33°31′N 05°07′W 1635 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0530	Average of observations at 1130	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				per cent		millimetres			hours		hours	
January	8.2	−4.1	15.9	−13.8	21.0	−21.2	90	65	157	74	12	151	–	–	–
February	10.1	−2.5	17.5	−10.1	26.0	−21.0	89	61	139	74	10	167	–	–	–
March	12.8	0.4	21.0	−5.9	25.8	−18.4	87	59	139	65	12	193	–	–	–
April	15.3	2.4	22.9	−3.4	26.8	−6.2	87	58	114	65	11	237	–	–	–
May	18.8	5.2	26.9	−1.7	32.2	−8.2	85	56	73	72	9	244	–	–	–
June	24.5	8.9	31.3	2.2	34.8	−2.2	79	46	34	45	6	285	–	–	–
July	30.2	12.0	35.2	5.5	37.0	1.7	66	30	11	23	3	338	–	–	–
August	30.1	12.3	34.6	5.8	36.0	1.8	66	31	14	30	4	306	–	–	–
September	25.3	9.1	31.4	2.9	34.0	0.2	77	41	33	42	7	262	–	–	–
October	19.2	5.0	26.0	−1.7	29.3	−6.2	84	50	76	57	9	222	–	–	–
November	13.6	1.2	19.9	−5.1	23.2	−16.8	89	59	135	85	10	162	–	–	–
December	9.1	−2.5	16.6	−10.6	19.9	−20.0	91	65	199	144	12	130	–	–	–
Year	18.1	3.9	35.4*	−16.5*	37.0	−21.2	83	52	1124	144	105	2697	–	–	–
No. of Years	23	23	23	23	23	23	23	23	23	12	24	6	–	–	–

*Average of highest/lowest each year

MOROCCO

Irherm 30°06′N 08°28′W 1730 m

Period 1941–57 Bibliography 72, 73, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	11.6	0.3	16.2	−3.6	21.0	−7.0	–	–	26	–	6	–	–	–	–
February	14.8	2.1	20.5	−2.0	32.5	−5.0	–	–	19	–	3	–	–	–	–
March	18.8	4.5	25.4	−0.7	36.6	−7.0	–	–	14	–	2	–	–	–	–
April	19.5	6.6	23.0	2.6	26.0	0.0	–	–	12	–	3	–	–	–	–
May	23.9	9.3	29.3	5.0	34.3	2.0	–	–	5	–	1	–	–	–	–
June	27.7	11.3	31.9	7.3	36.3	3.6	–	–	2	–	1	–	–	–	–
July	32.7	15.5	36.6	10.1	40.0	4.5	–	–	< 1	–	< 1	–	–	–	–
August	32.9	17.2	36.1	13.5	37.5	8.6	–	–	8	–	3	–	–	–	–
September	28.3	13.7	34.5	9.1	44.5	5.0	–	–	27	–	4	–	–	–	–
October	22.9	11.0	28.5	6.5	37.0	1.0	–	–	18	–	5	–	–	–	–
November	18.9	7.3	24.3	2.6	31.3	−2.3	–	–	32	–	7	–	–	–	–
December	12.8	1.8	16.8	−2.1	19.0	−5.0	–	–	25	–	4	–	–	–	–
Year	22.1	8.4	38.1*	−4.6	44.5	−7.0	–	–	188	–	39	–	–	–	–
No. of Years	9	10	9	10	9	10	–	–	13	–	5	–	–	–	–

Jebha (formerly Puerto Capaz) 35°12′N 04°40′W 10 m

Period 1943–56 Bibliography 39. 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.0	8.9	21.3	5.8	25.0	3.9	–	–	43	52	6	–	–	–	–
February	17.8	9.3	21.8	6.2	26.0	1.2	–	–	45	81	5	–	–	–	–
March	18.6	11.5	24.0	8.1	30.2	4.4	–	–	50	80	7	–	–	–	–
April	20.6	13.3	25.6	9.6	29.7	2.0	–	–	48	45	7	–	–	–	–
May	22.9	14.3	27.6	10.8	31.5	7.0	–	–	19	32	4	–	–	–	–
June	26.1	17.2	30.9	14.3	35.0	6.4	–	–	11	40	2	–	–	–	–
July	28.0	19.0	33.3	16.2	39.0	6.0	–	–	3	12	1	–	–	–	–
August	29.1	20.6	35.1	17.4	39.0	15.0	–	–	6	14	1	–	–	–	–
September	26.8	18.9	31.2	15.9	36.0	14.0	–	–	15	44	3	–	–	–	–
October	23.8	15.9	27.9	12.7	32.6	10.5	–	–	21	37	4	–	–	–	–
November	20.5	12.5	24.5	9.3	27.0	7.0	–	–	29	36	5	–	–	–	–
December	18.2	10.3	22.5	7.6	27.0	4.4	–	–	59	93	6	–	–	–	–
Year	22.5	14.3	35.6*	4.6*	39.0	1.2	–	–	349	93	51	–	–	–	–
No. of Years	13	13	13	13	13	13	–	–	13	13	13	–	–	–	–

Larache (formerly Anamara) 35°03′N 06°05′W 29 m

Period 1942–48 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.8	5.5	23.7	0.9	27.0	−0.5	93	71	110	43	10	141	40	–	–
February	19.0	6.6	24.9	0.7	30.0	−4.0	94	66	93	53	8	145	43	–	–
March	21.0	9.1	29.9	3.4	35.0	0.5	93	63	102	46	10	160	45	–	–
April	24.0	10.4	32.0	5.8	38.0	3.0	92	63	47	55	7	196	47	–	–
May	25.5	12.8	33.8	7.3	43.0	5.0	89	61	23	17	5	257	61	–	–
June	29.6	15.9	40.2	10.7	46.5	9.0	87	59	6	20	1	273	61	–	–
July	32.0	17.5	44.3	12.4	48.0	11.0	86	55	< 1	3	< 1	310	64	–	–
August	32.1	17.6	41.2	12.7	46.0	10.5	86	53	3	14	< 1	297	73	–	–
September	30.5	16.2	39.5	11.2	43.5	9.0	91	55	13	27	2	250	59	–	–
October	26.6	13.0	36.0	7.5	39.5	3.5	88	57	50	63	5	202	57	–	–
November	23.0	10.3	29.9	4.7	35.5	0.0	92	65	81	88	8	147	54	–	–
December	19.2	7.5	25.5	1.5	29.0	0.0	94	73	138	143	10	151	52	–	–
Year	25.0	11.9	45.6*	−0.8*	48.0	−4.0	90	62	666	143	66	2529	55	–	–
No. of Years	14	14	14	14	14	14	8	8	13	13	14	7	5	–	–

---

*Average of highest/lowest each year

MOROCCO

Marrakech 31°37′N 08°02′W 470 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						per cent		millimetres			hours		hours	
January	17.9	5.4	24.0	0.7	28.5	−2.3	88	63	29	–	7	218	–	–	–
February	20.2	6.8	26.1	2.5	34.3	−0.5	84	59	31	–	6	205	–	–	–
March	23.1	9.3	30.8	5.0	36.2	2.1	85	55	31	–	7	254	–	–	–
April	25.4	11.5	32.9	7.6	38.2	3.4	86	53	33	–	5	273	–	–	–
May	28.7	14.2	36.6	10.0	44.0	7.5	81	47	20	–	4	288	–	–	–
June	32.6	16.8	39.9	13.1	44.8	10.0	81	48	8	–	1	321	–	–	–
July	37.5	19.6	44.6	15.5	48.1	13.3	71	39	2	–	< 1	356	–	–	–
August	37.4	20.2	44.0	16.3	47.0	14.1	69	40	3	–	1	329	–	–	–
September	32.8	17.9	40.8	13.8	44.8	10.6	76	45	10	–	1	291	–	–	–
October	28.2	14.5	34.7	9.9	38.6	6.4	76	49	17	–	5	247	–	–	–
November	22.9	10.4	29.0	6.0	35.0	0.6	86	59	27	–	5	219	–	–	–
December	18.6	6.5	23.8	1.9	26.7	−1.0	85	61	34	–	7	207	–	–	–
Year	27.1	12.8	45.2*	0.1*	48.1	−2.3	81	51	245	–	49	3208	–	–	–
No. of Years	23	23	23	23	23	23	11	11	23	–	11	9	–	–	–

Melilla 35°18′N 02°55′W 10 m

Period 1943–52 1958–70 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						per cent		millimetres			hours		hours	
January	16.6	8.8	21.1	4.7	27.0	2.0	78	68	52	38	9	159	50	–	–
February	17.6	9.3	22.3	4.7	26.0	0.0	74	67	30	35	7	155	50	–	–
March	18.8	10.9	24.0	6.6	34.0	2.0	78	69	28	36	7	185	49	–	–
April	20.7	12.1	25.7	8.0	32.0	3.0	77	69	28	53	5	204	51	–	–
May	22.9	15.1	27.0	11.0	32.0	6.5	77	68	38	50	5	246	56	–	–
June	26.0	18.4	30.1	14.6	37.5	12.0	77	69	8	23	3	261	59	–	–
July	28.6	20.8	34.3	16.6	43.0	10.0	74	65	1	6	1	283	63	–	–
August	28.5	21.7	33.9	18.1	39.3	12.0	75	66	1	2	1	290	66	–	–
September	27.1	19.6	31.3	15.8	35.0	10.0	80	70	11	44	4	185	49	–	–
October	23.9	15.9	28.9	11.5	35.0	7.0	81	70	27	44	6	184	51	–	–
November	19.9	12.7	24.5	8.1	31.5	2.5	79	68	33	90	7	154	49	–	–
December	17.5	10.1	22.0	6.0	26.0	3.4	78	67	66	56	9	153	50	–	–
Year	22.3	14.6	34.9*	3.3*	43.0	0.0	77	68	323	90	64	2459	54	–	–
No. of Years	16	16	16	16	16	16	15	15	14	14	14	10	10	–	–

Midelt 32°41′N 04°43′W 1525 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						per cent		millimetres			hours		hours	
January	11.3	0.0	18.5	−4.7	21.8	−9.9	74	57	13	–	5	219	–	–	–
February	13.5	1.0	20.3	−4.0	26.1	−8.2	72	50	16	–	5	239	–	–	–
March	16.2	3.5	23.6	−1.4	27.0	−6.8	73	48	26	–	8	278	–	–	–
April	19.0	5.9	25.8	0.8	29.0	−3.8	76	45	39	–	7	296	–	–	–
May	22.9	9.1	30.0	3.8	34.0	0.8	76	45	35	–	6	303	–	–	–
June	27.8	12.3	33.6	7.4	36.0	3.7	73	39	19	–	5	322	–	–	–
July	33.4	16.2	36.8	12.2	39.9	10.2	57	26	6	–	3	335	–	–	–
August	32.9	16.2	36.2	11.9	38.2	9.2	56	27	6	–	4	315	–	–	–
September	28.2	12.9	33.1	8.4	37.0	5.1	67	37	20	–	6	278	–	–	–
October	21.8	8.6	27.7	3.4	30.6	−0.3	74	46	18	–	6	267	–	–	–
November	16.0	4.5	22.0	−0.6	24.5	−6.6	75	55	17	–	6	221	–	–	–
December	11.9	1.3	18.0	−4.3	21.1	−13.5	73	57	27	–	6	210	–	–	–
Year	21.2	7.6	37.0*	−6.4*	39.9	−13.5	71	44	242	–	67	3283	–	–	–
No. of Years	20	20	19	19	19	19	11	11	23	–	11	7	–	–	–

*Average of highest/lowest each year

MOROCCO

Ouarzazate 30°56′N 06°54′W 1135 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.9	1.5	22.3	−3.2	26.4	−7.0	69	46	8	–	3	229	–	–	–
February	19.3	3.3	24.5	−0.9	29.8	−5.4	60	36	5	–	3	244	–	–	–
March	22.7	7.1	28.5	1.9	31.8	−2.0	55	31	15	–	3	293	–	–	–
April	26.4	10.1	31.6	4.7	34.7	−1.0	51	26	7	–	2	307	–	–	–
May	30.2	13.8	35.9	7.8	39.2	3.6	48	24	6	–	3	337	–	–	–
June	35.2	17.4	39.2	12.2	42.2	8.0	43	19	5	–	1	348	–	–	–
July	38.7	20.5	41.5	16.4	43.4	14.6	34	15	2	–	2	311	–	–	–
August	39.9	20.5	40.9	16.3	44.0	12.6	41	19	10	–	4	276	–	–	–
September	34.5	16.9	37.5	12.4	40.4	10.4	49	25	21	–	3	268	–	–	–
October	26.6	12.3	31.3	7.4	33.7	4.6	60	36	20	–	4	259	–	–	–
November	21.3	7.1	26.9	2.0	30.5	−2.6	69	45	17	–	4	239	–	–	–
December	16.6	2.6	21.8	−2.5	25.6	−4.9	72	47	19	–	3	220	–	–	–
Year	27.4	11.1	41.6*	−3.8*	44.0	−7.0	54	31	135	–	35	3331	–	–	–
No. of Years	21	21	21	21	21	21	11	11	21	–	11	7	–	–	–

Rabat 34°00′N 06°50′W 65 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.0	8.1	21.7	3.2	29.1	−3.6	90	72	86	–	13	169	–	–	–
February	18.1	8.3	23.6	4.0	35.7	0.8	90	69	65	–	11	187	–	–	–
March	20.1	10.2	28.4	6.0	35.2	3.6	91	68	67	–	12	223	–	–	–
April	21.5	11.3	29.2	7.6	38.0	5.3	92	64	49	–	7	263	–	–	–
May	23.4	13.6	31.6	9.5	42.0	7.8	90	64	21	–	4	294	–	–	–
June	25.4	16.2	32.7	12.1	40.8	10.3	91	66	7	–	3	298	–	–	–
July	27.6	17.9	36.3	14.4	48.0	11.4	92	66	< 1	–	< 1	341	–	–	–
August	28.0	18.2	35.1	14.6	44.2	11.8	92	65	2	–	< 1	322	–	–	–
September	26.6	16.9	33.4	12.9	39.7	10.4	92	65	9	–	2	278	–	–	–
October	24.8	14.5	31.5	9.9	38.6	7.4	87	62	35	–	7	241	–	–	–
November	21.0	11.8	27.9	7.2	34.1	3.4	89	66	91	–	11	185	–	–	–
December	18.0	9.4	22.8	4.9	28.3	2.4	89	70	103	–	13	165	–	–	–
Year	22.6	13.0	39.7*	2.5*	48.0	−3.6	90	66	525	–	83	2966	–	–	–
No. of Years	22	22	22	22	22	22	11	11	22	–	11	9	–	–	–

Safi 32°18′N 09°15′W 15 m

Period 1941–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.0	7.8	23.0	3.1	30.8	0.5	92	73	57	–	9	186	–	–	–
February	19.0	8.3	24.8	3.4	34.7	0.8	90	68	35	–	7	198	–	–	–
March	20.8	10.1	29.1	5.6	35.6	1.8	91	67	34	–	9	249	–	–	–
April	22.6	11.6	30.1	7.6	38.5	4.8	92	63	31	–	6	282	–	–	–
May	24.1	13.8	32.1	9.4	37.6	7.4	90	63	20	–	4	304	–	–	–
June	25.5	16.3	32.1	12.7	42.5	10.0	88	65	2	–	2	299	–	–	–
July	28.6	18.0	38.0	14.1	49.0	10.0	87	57	< 1	–	< 1	330	–	–	–
August	29.4	18.3	39.6	14.7	47.0	12.0	87	57	< 1	–	< 1	316	–	–	–
September	27.5	16.9	36.7	13.1	42.0	10.5	89	60	7	–	1	275	–	–	–
October	25.3	14.6	32.4	10.0	37.8	7.8	88	62	27	–	5	235	–	–	–
November	21.8	11.9	27.8	7.2	34.8	4.0	92	67	63	–	8	193	–	–	–
December	18.7	9.1	22.4	4.7	25.6	1.2	93	73	64	–	11	175	–	–	–
Year	23.4	13.1	42.0*	2.2*	49.0	0.5	90	65	340	–	62	3042	–	–	–
No. of Years	20	20	20	20	20	20	10	10	22	–	10	9	–	–	–

*Average of highest/lowest each year

MOROCCO

Sidi Ifni 29°27′N 10°11′W 45 m

Period 1943–68 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	19.3	11.8	25.4	8.5	33.0	6.0	78	73	29	42	4	228	66	–	–
February	20.6	12.7	28.8	9.7	38.5	7.4	76	69	21	43	3	234	70	–	–
March	21.2	13.7	31.5	10.6	40.0	8.8	77	71	13	21	4	242	61	–	–
April	21.5	14.4	29.6	12.0	40.0	9.0	85	75	13	23	3	241	57	–	–
May	22.2	15.7	30.9	13.2	42.4	9.2	88	76	2	5	1	224	54	–	–
June	22.6	16.9	25.8	14.7	33.0	12.2	91	80	2	6	1	178	42	–	–
July	23.6	17.8	31.6	16.3	46.0	12.0	92	82	1	14	1	187	44	–	–
August	24.2	18.1	32.0	16.1	41.5	10.5	92	82	1	4	1	191	46	–	–
September	24.3	17.9	34.2	15.6	42.0	13.5	90	80	8	22	2	196	53	–	–
October	23.8	16.8	31.9	13.2	39.4	7.5	86	77	10	39	2	222	62	–	–
November	22.6	15.2	30.3	12.0	37.3	7.5	79	67	24	64	4	194	61	–	–
December	20.3	12.8	25.3	9.2	31.6	5.4	78	72	37	55	4	203	62	–	–
Year	22.2	15.3	39.4*	7.8*	46.0	5.4	84	75	161	64	30	2540	57	–	–
No. of Years	23	24	23	24	23	24	20	20	24	24	18	18	18	–	–

Smara 26°46′N 11°31′W 460 m

Period 1944–48 1960–63 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	23.4	8.3	28.7	4.1	33.0	3.0	–	–	2	12	< 1	–	–	–	–
February	24.8	10.0	30.8	5.6	33.4	4.1	–	–	24	34	3	–	–	–	–
March	27.7	10.8	34.7	7.8	41.8	6.4	–	–	5	17	1	–	–	–	–
April	30.8	14.2	39.2	9.6	42.5	7.0	–	–	7	20	1	–	–	–	–
May	31.4	13.9	38.1	11.7	45.0	11.0	–	–	1	6	< 1	–	–	–	–
June	33.0	18.2	41.2	14.5	47.5	13.0	–	–	6	19	1	–	–	–	–
July	36.8	20.6	47.0	16.7	49.5	16.0	–	–	0	0	0	–	–	–	–
August	38.5	21.5	47.6	14.9	49.6	11.2	–	–	2	11	< 1	–	–	–	–
September	36.6	17.5	44.2	14.6	46.5	13.5	–	–	31	31	3	–	–	–	–
October	32.6	15.2	38.8	13.3	42.6	9.2	–	–	25	58	1	–	–	–	–
November	27.0	14.5	32.8	11.3	37.0	10.6	–	–	12	18	2	–	–	–	–
December	24.3	9.8	29.0	5.3	32.6	3.0	–	–	23	21	3	–	–	–	–
Year	30.6	14.5	48.9*	3.5*	49.6	3.0	–	–	138	58	15	–	–	–	–
No. of Years	8	8	8	7	8	7	–	–	8	8	8	–	–	–	–

Tanger 35°47′N 05°49′W 75 m

Period 1942–63 Bibliography 72, 74	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	15.2	10.0	18.9	5.5	21.2	2.8	84	74	148	–	13	–	–	–	–
February	16.0	10.4	19.5	6.5	24.1	2.3	82	71	119	–	12	–	–	–	–
March	17.6	11.8	21.6	8.2	24.0	4.9	84	72	127	–	13	–	–	–	–
April	19.3	13.0	22.8	9.6	25.2	5.8	83	69	60	–	9	–	–	–	–
May	21.3	14.8	25.2	11.3	31.0	7.4	83	69	39	–	6	–	–	–	–
June	23.9	17.2	28.1	13.7	31.7	11.9	84	70	9	–	4	–	–	–	–
July	25.8	18.9	30.4	15.9	33.8	10.5	84	71	< 1	–	< 1	–	–	–	–
August	26.1	19.2	29.7	16.5	33.0	15.2	86	71	2	–	1	–	–	–	–
September	24.6	18.3	28.2	15.2	31.0	13.0	88	73	20	–	3	–	–	–	–
October	21.9	16.3	25.9	11.9	28.6	9.0	85	73	57	–	7	–	–	–	–
November	18.9	13.7	22.7	9.6	26.5	6.2	84	73	126	–	12	–	–	–	–
December	16.3	11.2	20.3	6.9	24.0	3.8	83	74	153	–	14	–	–	–	–
Year	20.6	14.6	31.2*	4.5*	33.8	2.3	84	72	860	–	94	–	–	–	–
No. of Years	19	19	19	19	19	19	11	11	20	–	11	–	–	–	–

*Average of highest/lowest each year

MOROCCO

Tan-Tan 28°20′N 10°56′W Height not known

Period 1948–58 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	21.4	9.8	26.1	6.2	30.0	4.2	–	–	12	41	3	–	–	–	–
February	22.1	10.7	27.5	6.9	35.0	2.8	–	–	14	37	1	–	–	–	–
March	24.3	12.6	32.9	9.1	41.6	6.2	–	–	7	10	1	–	–	–	–
April	24.1	13.6	32.5	10.1	35.6	5.0	–	–	5	6	1	–	–	–	–
May	24.3	15.3	32.8	12.3	42.2	11.4	–	–	1	2	< 1	–	–	–	–
June	25.5	16.4	31.4	14.0	41.6	11.6	–	–	< 1	2	< 1	–	–	–	–
July	27.6	17.9	38.6	15.6	47.6	14.0	–	–	1	7	< 1	–	–	–	–
August	28.6	18.1	38.9	15.9	46.4	14.0	–	–	< 1	1	1	–	–	–	–
September	28.4	17.6	37.7	14.9	43.2	11.4	–	–	2	6	< 1	–	–	–	–
October	27.4	15.8	34.4	12.3	40.2	9.8	–	–	12	49	1	–	–	–	–
November	26.0	13.3	31.3	10.1	35.6	8.2	–	–	20	62	2	–	–	–	–
December	20.8	9.8	26.6	5.3	31.0	3.0	–	–	37	65	5	–	–	–	–
Year	25.0	14.2	44.5*	4.1*	47.6	2.8	–	–	111	65	15	–	–	–	–
No. of Years	9	9	9	9	9	9	–	–	10	8	7	–	–	–	–

Tarfaya (formerly Villa Bens) 27°56′N 13°00′W 5 m

Period 1943–58 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.									
	degrees Celsius						per cent		millimetres			hours		hours	
January	19.7	12.9	25.0	8.9	31.5	6.5	81	66	9	29	3	205	62	–	–
February	20.2	13.5	26.9	8.5	40.0	5.0	85	72	5	13	2	195	63	–	–
March	20.5	14.5	26.1	10.7	33.4	9.2	87	78	3	19	1	240	66	–	–
April	21.0	15.2	28.1	12.0	39.6	2.0	85	75	1	1	1	255	66	–	–
May	21.5	16.9	24.7	14.1	26.8	12.0	84	76	< 1	1	< 1	244	58	–	–
June	22.4	17.9	24.7	16.3	28.6	12.6	87	80	< 1	< 1	< 1	233	55	–	–
July	23.1	18.2	26.2	17.0	36.0	15.8	90	82	< 1	< 1	< 1	202	44	–	–
August	23.3	18.5	25.7	17.0	28.2	14.0	91	83	< 1	1	< 1	216	52	–	–
September	24.0	18.6	28.6	15.9	34.2	14.0	90	82	6	33	1	217	58	–	–
October	23.2	18.0	27.3	14.5	35.6	11.6	91	81	1	6	1	220	61	–	–
November	22.6	16.3	28.1	11.8	35.0	9.0	85	75	15	37	3	183	57	–	–
December	20.5	13.9	24.8	9.3	28.8	6.5	85	72	10	54	3	205	63	–	–
Year	21.8	16.2	26.3*	7.2*	40.0	2.0	87	77	50	54	15	2615	59	–	–
No. of Years	16	16	16	16	16	16	10	10	16	14	16	8	8	–	–

Tleta Ketama 34°55′N 04°36′W 1515 m

Period 1943–56 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	8.0	−0.7	12.8	−5.4	16.5	−8.0	–	–	172	197	5	–	–	–	–
February	8.4	−0.6	14.2	−6.0	22.0	−12.5	–	–	197	140	4	–	–	–	–
March	11.7	1.0	18.1	−3.6	23.5	−9.0	–	–	179	80	7	–	–	–	–
April	16.3	4.9	21.6	−0.4	25.0	−3.0	–	–	127	85	8	–	–	–	–
May	17.8	5.8	23.4	0.8	28.5	−2.0	–	–	48	36	5	–	–	–	–
June	22.3	8.9	28.4	4.5	31.0	1.5	–	–	21	52	2	–	–	–	–
July	26.6	12.5	31.5	8.0	34.0	5.0	–	–	1	3	< 1	–	–	–	–
August	26.8	13.0	31.3	8.9	35.0	6.0	–	–	5	9	1	–	–	–	–
September	21.7	10.2	28.4	6.3	32.5	2.0	–	–	30	37	3	–	–	–	–
October	16.4	7.3	23.7	2.3	29.0	0.0	–	–	85	98	5	–	–	–	–
November	12.5	4.5	17.9	−0.2	28.5	−6.0	–	–	193	194	6	–	–	–	–
December	9.3	0.9	15.7	−3.6	21.0	−8.0	–	–	184	125	6	–	–	–	–
Year	16.5	5.6	32.1*	−7.2*	35.0	−12.5	–	–	1242	197	52	–	–	–	–
No. of Years	13	12	13	12	13	12	–	–	13	13	13	–	–	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Angoche (formerly Antonio Enes) 16°13′S 39°54′E 61 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.6	23.3	36.5	20.8	43.5	18.5	72	70	233	195	14	226	56	–	–
February	32.8	23.4	36.0	21.0	39.6	16.0	74	71	182	220	13	227	64		–
March	31.9	22.9	34.9	20.8	40.2	17.0	77	72	205	141	16	218	58	–	–
April	31.2	22.0	33.9	19.4	36.0	14.7	75	68	123	116	10	242	68	–	–
May	29.7	19.6	32.4	17.0	34.5	15.0	74	65	52	95	8	267	76	–	–
June	27.8	17.7	30.2	15.2	33.6	12.5	76	66	49	47	8	248	74	–	–
July	27.2	17.1	29.4	14.7	32.6	12.5	78	66	45	55	9	243	69	–	–
August	27.9	17.5	30.7	15.2	33.4	13.0	73	65	20	64	3	287	80	–	–
September	29.4	19.2	32.5	16.8	35.8	15.0	65	64	6	40	2	299	83	–	–
October	31.3	21.2	34.9	18.6	37.4	16.5	59	64	11	75	2	326	84	–	–
November	32.1	22.6	35.6	20.3	41.5	17.5	61	66	67	84	5	290	75	–	–
December	32.7	23.3	36.3	20.8	46.3	18.3	67	70	154	128	10	250	62	–	–
Year	30.5	20.8	37.7*	14.2*	46.3	12.5	71	67	1147	220	100	3123	71	–	–
No. of Years	27	25	27	25	27	25	13	13	27	27	13	13	13	–	–

Chicôa 15°36′S 32°21′E 274 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.8	20.9	38.6	17.9	41.0	12.5	69	–	186	139	11	–	–	–	–
February	33.5	20.5	37.9	17.7	40.0	11.5	73	–	155	122	10	–	–	–	–
March	34.5	20.2	38.2	16.8	42.0	14.0	67	–	70	61	6	–	–	–	–
April	34.3	18.7	38.2	15.1	42.0	11.9	63	–	10	57	2	–	–	–	–
May	32.6	17.1	36.9	13.2	41.0	10.0	62	–	1	18	< 1	–	–	–	–
June	30.8	14.6	35.2	10.8	39.0	7.0	60	–	2	18	1	–	–	–	–
July	29.9	13.8	33.8	10.3	36.0	6.9	61	–	1	4	< 1	–	–	–	–
August	32.1	14.3	37.0	10.7	39.5	8.0	58	–	< 1	2	< 1	–	–	–	–
September	35.0	18.6	39.7	13.6	43.0	10.0	53	–	< 1	3	< 1	–	–	–	–
October	38.2	21.6	42.6	16.5	45.0	12.9	49	–	4	26	< 1	–	–	–	–
November	37.3	21.6	42.3	16.7	44.8	12.1	53	–	53	58	4	–	–	–	–
December	35.1	21.5	40.6	18.8	47.9	14.3	63	–	138	91	11	–	–	–	–
Year	33.9	18.6	43.7*	9.7*	47.9	6.9	61	–	620	139	45	–	–	–	–
No. of Years	17	17	16	15	16	15	13	–	27	25	12	–	–	–	–

Chimoio (formerly Vila Pery) 19°07′S 33°28′E 731 m

Period 1941–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.1	18.5	33.9	15.5	38.7	10.0	78	64	228	153	16	214	52	–	–
February	29.1	18.8	33.6	15.9	37.0	13.0	79	66	200	98	15	192	53	–	–
March	28.2	17.8	32.1	14.8	39.5	10.8	78	63	157	200	12	230	60	–	–
April	27.5	16.6	32.4	13.2	37.0	10.2	76	58	50	72	8	232	66	–	–
May	25.6	14.0	30.6	10.6	34.0	7.6	73	52	22	39	4	248	70	–	–
June	23.8	11.9	29.2	8.3	35.5	4.4	73	49	22	52	6	221	63	–	–
July	23.4	11.4	28.7	8.0	33.0	5.0	71	47	14	27	4	231	65	–	–
August	25.5	12.6	31.6	8.8	35.3	5.0	70	45	21	40	5	246	66	–	–
September	27.9	14.4	34.0	10.5	39.0	8.0	66	41	16	29	5	240	64	–	–
October	30.4	16.6	36.8	12.6	40.6	10.0	63	42	33	40	7	242	60	–	–
November	29.8	17.8	36.8	14.1	39.7	8.5	69	52	113	114	12	193	52	–	–
December	29.3	18.3	34.6	15.3	39.5	10.5	74	61	186	137	16	196	47	–	–
Year	27.5	15.7	37.8*	7.0*	40.6	4.4	73	53	1062	200	110	2685	60	–	–
No. of Years	30	30	30	30	30	30	20	15	30	30	15	15	15	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Chinde 18°35′S 36°28′E 4 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–68 Bibliography 75, 76, 77	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						per cent		millimetres			hours		hours	
January	31.3	24.2	34.9	21.4	38.5	19.0	75	70	236	251	14	242	60	–	–
February	31.6	24.5	34.8	21.9	36.4	19.3	75	70	169	183	13	225	63	–	–
March	30.8	24.0	34.0	21.3	39.0	18.0	75	68	171	207	13	249	66	–	–
April	30.0	22.8	33.0	19.4	36.2	17.0	74	67	94	200	11	226	65	–	–
May	28.0	19.8	31.6	16.0	37.0	14.0	76	67	74	95	11	237	68	–	–
June	26.3	17.7	29.2	14.0	33.0	8.6	79	69	65	65	9	208	63	–	–
July	25.8	17.4	28.8	13.7	32.5	11.9	78	66	54	96	10	225	65	–	–
August	26.5	18.4	29.5	13.6	33.4	11.6	74	67	39	108	6	249	70	–	–
September	27.7	20.3	30.9	15.7	36.2	12.2	70	67	20	89	4	253	70	–	–
October	29.4	22.4	32.1	17.3	36.0	14.4	68	66	15	72	3	288	74	–	–
November	30.6	23.5	34.8	19.6	40.4	17.0	69	67	48	113	5	266	68	–	–
December	31.1	23.9	34.7	20.6	38.0	17.5	70	69	163	197	11	243	59	–	–
Year	29.1	21.6	37.1*	13.0*	40.4	8.6	74	68	1148	251	110	2911	66	–	–
No. of Years	24	24	24	24	24	24	14	12	24	24	1	12	12	–	–

Chokué (formerly Caniçado) 24°28′S 33°00′E 33 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–60 Bibliography 75, 76	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						per cent		millimetres			hours		hours	
January	33.8	21.5	39.1	17.4	43.8	14.9	70	50	98	188	12	–	–	–	–
February	33.1	21.6	38.2	18.0	41.9	14.9	76	58	127	102	13	–	–	–	–
March	32.4	20.3	37.4	16.3	40.0	14.7	75	55	61	90	11	–	–	–	–
April	31.0	18.4	36.4	14.0	39.9	12.4	75	54	43	93	6	–	–	–	–
May	29.1	15.0	34.2	10.7	39.6	7.4	76	48	22	37	5	–	–	–	–
June	26.5	11.7	31.4	7.0	37.8	4.3	79	49	15	26	5	–	–	–	–
July	26.0	10.7	30.3	6.4	39.2	3.9	80	50	9	27	5	–	–	–	–
August	28.1	13.0	33.6	7.5	37.5	4.1	73	46	12	42	4	–	–	–	–
September	30.0	15.6	36.3	9.6	41.6	5.8	70	51	23	34	7	–	–	–	–
October	32.3	18.7	39.9	12.1	43.9	9.1	65	46	28	30	6	–	–	–	–
November	33.1	19.9	40.2	14.8	43.2	10.1	65	41	73	78	7	–	–	–	–
December	33.5	21.1	40.0	16.3	43.9	14.0	68	52	83	98	9	–	–	–	–
Year	30.7	17.3	41.8*	5.3*	43.9	3.9	73	50	594	188	90	–	–	–	–
No. of Years	17	10	17	10	17	10	6	5	17	17	5	–	–	–	–

Errego 16°02′S 37°11′E 533 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1949–68 Bibliography 75, 76, 77	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.1	20.1	34.1	17.6	36.0	15.5	79	67	291	136	19	180	45	–	–
February	30.1	20.1	33.7	18.1	36.5	15.7	80	67	292	151	18	188	53	–	–
March	28.7	19.5	32.6	17.0	34.5	15.1	82	67	300	139	19	202	53	–	–
April	27.9	18.6	32.3	15.6	34.5	11.1	82	64	147	283	13	201	57	–	–
May	25.8	16.1	30.5	12.2	32.7	9.0	81	60	56	31	8	218	62	–	–
June	24.1	14.1	28.4	10.1	30.6	5.0	83	57	44	48	7	204	61	–	–
July	23.6	13.6	28.1	9.5	30.5	7.3	84	57	42	89	9	184	53	–	–
August	26.3	14.5	31.7	10.9	35.1	7.2	76	46	34	52	5	235	65	–	–
September	29.5	16.5	34.4	13.0	36.5	9.4	64	39	21	27	3	262	73	–	–
October	32.7	18.9	36.9	14.7	39.0	11.0	55	36	28	54	4	285	74	–	–
November	32.1	19.8	37.2	16.5	39.9	18.8	64	47	140	149	9	234	61	–	–
December	30.7	19.8	35.0	17.4	37.5	11.1	74	62	243	99	16	196	49	–	–
Year	28.5	17.6	37.7*	8.8*	39.9	5.0	75	56	1638	283	130	2589	59	–	–
No. of Years	20	20	20	20	20	20	13	11	20	20	13	11	11	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Espungabera 20°28′S 32°46′E 824 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.6	17.6	31.8	14.4	36.0	12.0	79	72	316	415	17	–	44	–	–
February	26.4	17.7	30.7	14.5	34.5	10.0	80	73	260	140	14	–	51	–	–
March	25.8	16.9	30.3	13.9	35.0	10.1	79	70	227	130	13	–	57	–	–
April	25.1	16.0	30.5	12.9	34.5	10.1	75	66	78	99	9	–	62	–	–
May	23.5	14.1	28.4	10.3	33.0	7.7	71	60	26	75	5	–	67	–	–
June	21.2	12.1	26.7	8.6	32.0	4.5	70	59	40	65	6	–	62	–	–
July	21.3	11.7	26.7	8.1	32.6	2.8	69	53	24	36	5	–	65	–	–
August	22.9	12.6	29.6	8.4	34.0	4.7	67	50	42	130	6	–	67	–	–
September	25.2	13.7	31.2	9.5	36.0	5.0	66	49	40	67	5	–	66	–	–
October	27.2	15.6	33.5	11.5	38.7	7.2	67	51	70	91	7	–	62	–	–
November	26.9	16.4	34.0	13.2	38.4	8.6	72	58	122	119	11	–	53	–	–
December	26.9	17.1	32.4	13.4	37.0	10.0	75	66	218	129	14	–	46	–	–
Year	24.9	15.1	35.2*	6.7*	38.7	2.8	73	61	1463	415	112	–	59	–	–
No. of Years	28	28	28	28	28	28	13	12	28	28	13	–	12	–	–

Inhambane 23°52′S 35°23′E 14 m

Period 1941–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.0	23.1	33.7	20.3	36.0	18.0	70	65	153	143	13	241	58	–	–
February	31.1	23.2	33.7	20.9	36.3	17.0	72	64	143	231	12	227	62	–	–
March	30.4	22.4	33.5	19.8	36.5	17.3	71	62	100	171	14	236	62	–	–
April	29.4	20.9	32.4	18.0	34.5	15.4	73	62	67	127	10	234	68	–	–
May	27.4	18.5	30.7	15.4	33.2	12.3	77	62	55	124	10	252	74	–	–
June	25.7	16.6	29.0	13.9	32.7	9.4	80	62	57	168	11	227	71	–	–
July	25.4	16.1	28.4	13.4	31.5	10.0	79	61	36	88	10	242	72	–	–
August	25.7	16.9	28.9	14.0	32.3	10.5	76	62	31	42	7	257	73	–	–
September	27.0	18.3	30.4	15.3	34.5	12.7	70	63	26	93	5	245	68	–	–
October	28.2	20.1	31.7	16.6	34.1	13.9	68	65	36	46	6	250	64	–	–
November	29.2	21.3	32.5	18.0	37.3	15.0	67	65	77	173	7	230	57	–	–
December	30.1	22.1	33.1	19.4	36.7	17.3	68	65	147	241	11	240	57	–	–
Year	28.4	20.0	34.7*	12.7*	37.3	9.4	73	63	928	241	116	2881	65	–	–
No. of Years	30	30	30	30	30	30	20	20	30	30	15	20	20	–	–

Lichinga (formerly Vilacabral) 13°18′S 35°14′E 1356 m

Period 1954–70 Bibliography 54, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.3	16.2	27.4	14.3	29.2	12.0	81	78	239	98	–	131	35	–	–
February	24.3	16.2	26.8	14.6	28.2	13.6	83	78	231	75	–	129	39	–	–
March	24.2	15.6	26.6	12.9	28.0	11.4	80	76	185	89	–	162	45	–	–
April	23.8	14.5	26.3	11.5	27.1	8.2	79	68	86	73	–	184	53	–	–
May	22.7	11.6	25.4	8.6	27.2	6.9	73	57	24	55	–	232	65	–	–
June	21.1	9.6	24.4	6.4	26.5	3.8	70	52	4	9	–	223	65	–	–
July	20.5	9.1	23.8	5.9	25.7	3.3	68	47	3	11	–	214	61	–	–
August	22.3	9.9	25.7	6.9	27.8	3.2	62	42	2	16	–	241	65	–	–
September	24.8	12.1	28.4	9.3	30.0	7.2	58	39	3	15	–	245	66	–	–
October	27.3	14.7	30.0	11.6	32.7	9.6	55	36	14	46	–	280	70	–	–
November	26.6	16.0	29.9	13.6	32.3	10.2	65	56	98	114	–	202	53	–	–
December	24.7	16.1	27.9	14.4	32.0	12.0	78	75	238	102	–	139	36	–	–
Year	23.9	13.5	30.8*	5.4*	32.7	3.2	71	59	1127	114	–	2382	54	–	–
No. of Years	17	17	17	17	17	17	17	17	17	17	–	17	17	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Mabote 22°03′S 34°07′E 143 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	20.0	36.2	15.2	40.2	10.0	69	–	103	90	7	–	–	–	–
February	30.7	20.8	35.0	17.1	39.0	15.0	73	–	133	118	7	–	–	–	–
March	29.9	19.7	33.3	15.3	35.5	12.5	71	–	82	121	5	–	–	–	–
April	28.9	17.3	32.4	12.7	34.0	7.5	71	–	23	71	2	–	–	–	–
May	27.3	13.4	30.9	8.4	33.7	5.6	67	–	14	30	2	–	–	–	–
June	24.9	9.9	28.7	5.1	32.0	0.2	71	–	9	23	2	–	–	–	–
July	24.8	9.4	27.9	4.7	34.0	3.5	68	–	3	20	1	–	–	–	–
August	27.2	12.1	31.9	6.9	34.5	4.5	71	–	7	61	1	–	–	–	–
September	29.2	14.5	34.0	8.6	36.8	5.5	63	–	11	36	2	–	–	–	–
October	30.6	17.3	35.5	11.5	39.8	7.5	59	–	16	43	2	–	–	–	–
November	31.6	18.9	36.7	13.7	41.3	10.0	63	–	61	100	5	–	–	–	–
December	31.2	19.6	35.7	15.1	40.6	10.0	67	–	123	177	6	–	–	–	–
Year	29.0	16.1	38.5*	3.9*	41.3	0.2	68	–	585	177	42	–	–	–	–
No. of Years	12	12	12	12	12	12	12	–	28	28	13	–	–	–	–

Maputo (formerly Lourenço Marques) 25°58′S 32°36′E 60 m

Period 1941–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.7	21.9	36.4	18.8	42.3	16.5	73	68	141	235	11	242	57	–	–
February	29.7	21.9	35.1	19.1	40.5	17.4	75	68	137	186	10	224	62	–	–
March	29.1	21.1	35.1	17.9	40.4	15.1	75	67	89	127	11	243	65	–	–
April	28.1	19.3	35.3	16.1	39.5	14.0	75	66	69	161	8	229	67	–	–
May	26.5	16.4	33.2	12.9	38.2	10.3	73	63	28	68	5	262	78	–	–
June	24.6	14.1	31.3	10.9	34.3	7.4	72	60	28	166	7	253	80	–	–
July	24.5	13.9	30.9	10.6	34.5	8.5	72	61	18	147	7	263	80	–	–
August	25.4	15.0	34.3	11.7	37.9	8.6	70	62	18	40	5	261	75	–	–
September	26.3	16.7	36.4	13.0	43.0	9.6	69	66	37	77	6	231	65	–	–
October	27.0	18.4	38.0	14.8	44.8	11.5	70	70	57	70	10	212	55	–	–
November	28.0	19.9	37.5	16.3	43.7	14.0	71	70	78	200	12	199	50	–	–
December	29.2	21.1	37.9	17.6	44.3	15.2	71	69	87	87	12	228	53	–	–
Year	27.3	18.3	40.3*	9.7*	44.8	7.4	72	66	787	235	104	2847	66	–	–
No. of Years	30	30	30	30	30	30	20	20	30	30	15	20	20	–	–

Marrupa 13°14′S 37°33′E 760 m

Period 1951–68 Bibliography 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.4	19.2	30.7	17.1	32.9	14.5	84	71	294	123	19	146	37	–	–
February	27.4	19.2	30.4	17.5	34.1	16.7	84	70	256	84	17	143	40	–	–
March	27.7	19.1	30.5	16.7	32.7	12.8	81	63	188	126	17	178	48	–	–
April	27.1	17.7	29.5	15.2	31.2	13.0	77	59	73	131	9	197	55	–	–
May	26.1	15.5	28.5	12.7	31.2	10.8	72	52	5	13	2	238	67	–	–
June	24.5	13.4	27.2	10.4	29.6	7.0	69	47	< 1	1	< 1	224	66	–	–
July	24.2	13.0	26.6	10.1	28.5	7.6	67	42	1	3	1	224	63	–	–
August	26.2	14.1	29.3	10.7	35.7	8.8	63	36	1	7	< 1	246	68	–	–
September	28.3	15.7	31.1	12.7	33.5	7.4	56	33	2	13	1	242	67	–	–
October	30.5	17.9	33.1	15.4	39.0	11.1	55	33	3	15	1	260	68	–	–
November	30.7	19.1	33.7	16.6	37.8	12.1	62	42	81	93	7	217	57	–	–
December	28.5	19.3	32.4	17.1	36.3	13.1	77	62	210	88	16	171	43	–	–
Year	27.4	16.9	34.1*	9.1*	39.0	7.0	71	51	1114	131	90	2486	57	–	–
No. of Years	18	18	18	18	18	18	13	13	18	18	13	13	13	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Mocimboa da Praia 11°21′S 40°22′E 27 m

Period 1943–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.6	22.8	34.8	21.2	37.4	19.7	76	72	160	111	13	177	45	–	–
February	31.5	22.7	34.6	21.2	39.0	20.3	79	75	186	113	15	175	50	–	–
March	31.0	22.6	33.4	21.2	35.9	20.0	79	76	193	254	19	190	50	–	–
April	30.5	22.3	32.3	20.7	33.9	18.8	77	73	186	139	15	216	61	–	–
May	29.7	20.5	31.2	17.8	32.3	15.0	71	66	46	71	7	241	68	–	–
June	28.7	18.8	30.1	15.7	32.0	12.6	69	64	15	33	3	226	66	–	–
July	28.1	18.3	29.4	15.4	31.1	12.2	69	63	11	13	5	243	68	–	–
August	28.4	18.1	29.7	15.3	30.9	11.2	65	64	6	13	2	275	75	–	–
September	28.7	18.8	30.3	16.5	33.0	15.0	67	65	9	26	3	284	78	–	–
October	29.3	20.0	30.8	17.6	32.8	16.1	68	68	13	23	4	297	78	–	–
November	30.2	21.8	32.2	19.4	36.2	17.0	70	70	49	81	7	273	72	–	–
December	31.3	22.8	34.8	21.1	36.8	19.2	73	72	108	189	13	209	52	–	–
Year	29.9	20.8	35.9*	14.5*	39.0	11.2	72	69	982	254	106	2806	64	–	–
No. of Years	26	26	26	26	26	26	13	13	26	26	13	13	13	–	–

Mossuril 14°57′S 40°40′E 15 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.6	23.6	35.9	21.9	38.0	19.2	70	67	217	200	12	–	–	–	–
February	33.0	23.5	36.0	21.7	39.9	18.8	70	68	181	127	9	–	–	–	–
March	32.1	23.2	34.9	21.4	36.5	20.0	74	70	165	163	11	–	–	–	–
April	31.1	22.1	33.3	19.8	35.6	17.0	75	68	100	100	7	–	–	–	–
May	29.9	19.8	32.1	17.3	34.9	15.6	73	64	21	37	3	–	–	–	–
June	28.2	18.1	30.3	15.4	32.4	11.7	74	65	34	88	5	–	–	–	–
July	27.8	17.5	29.7	14.8	31.9	12.5	74	63	27	38	5	–	–	–	–
August	28.4	17.6	30.9	15.1	33.5	12.9	71	61	13	43	1	–	–	–	–
September	29.7	18.7	32.6	16.2	34.5	14.5	66	61	7	45	1	–	–	–	–
October	31.5	20.8	34.3	17.5	37.0	14.3	60	60	8	49	1	–	–	–	–
November	32.7	22.7	35.4	20.5	37.0	19.0	62	62	37	76	4	–	–	–	–
December	32.9	23.6	36.2	21.6	38.6	20.2	65	65	135	108	8	–	–	–	–
Year	30.8	20.9	37.0*	14.0*	39.9	11.7	69	65	945	200	67	–	–	–	–
No. of Years	28	28	28	28	28	28	18	5	28	28	13	–	–	–	–

Mungari 17°10′S 33°33′E 535 m

Period 1943–64 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.1	19.5	35.9	15.6	39.5	13.6	70	–	170	98	12	–	–	–	–
February	31.3	19.4	35.9	16.2	40.0	13.5	74	–	153	107	9	–	–	–	–
March	31.0	19.0	35.3	15.5	39.0	12.3	67	–	74	72	6	–	–	–	–
April	30.6	17.8	34.5	13.1	37.0	11.0	68	–	21	41	2	–	–	–	–
May	28.6	14.9	33.8	10.5	38.0	4.2	69	–	8	35	1	–	–	–	–
June	26.9	13.6	31.1	9.6	37.0	3.9	65	–	6	27	2	–	–	–	–
July	26.7	13.2	30.7	9.0	33.6	4.0	64	–	1	7	< 1	–	–	–	–
August	28.4	14.1	33.4	10.3	36.0	5.0	56	–	2	9	1	–	–	–	–
September	31.0	16.3	36.6	11.2	38.5	8.0	63	–	1	7	< 1	–	–	–	–
October	34.2	18.9	38.8	14.3	41.5	10.6	63	–	9	26	3	–	–	–	–
November	33.5	19.0	38.7	14.4	41.7	10.7	54	–	58	86	3	–	–	–	–
December	32.1	19.2	36.4	15.8	40.0	12.4	65	–	122	71	12	–	–	–	–
Year	30.5	17.1	39.9*	7.9*	41.7	3.9	65	–	625	107	51	–	–	–	–
No. of Years	18	18	18	18	18	18	8	–	18	16	9	–	–	–	–

---

*Average of highest/lowest each year

MOZAMBIQUE

Nova Mambone 20°59′S 35°01′E 4 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.6	22.1	34.5	19.2	37.4	13.3	72	68	185	180	10	237	58	–	–
February	31.8	22.2	34.7	19.0	37.4	13.6	74	69	171	211	12	210	59	–	–
March	31.3	20.9	33.9	17.9	36.2	10.2	71	65	128	318	9	258	68	–	–
April	30.6	19.1	33.2	15.4	35.5	10.0	71	62	46	148	6	247	71	–	–
May	28.6	15.8	31.5	12.0	34.5	6.0	72	61	30	59	4	236	69	–	–
June	26.7	13.4	29.9	9.6	34.5	2.5	76	60	27	41	5	218	66	–	–
July	26.4	13.1	29.2	9.2	32.1	5.2	74	58	20	65	5	222	65	–	–
August	26.9	14.6	29.7	10.6	33.3	6.4	72	61	22	36	4	245	69	–	–
September	28.2	16.6	30.9	12.3	35.0	9.3	66	62	13	53	3	253	71	–	–
October	29.9	19.7	32.6	14.7	35.9	8.3	64	63	25	151	4	251	64	–	–
November	30.8	21.4	33.1	17.2	39.3	12.3	65	63	65	109	5	246	63	–	–
December	31.3	21.9	34.6	18.5	39.1	15.3	70	66	164	143	9	236	57	–	–
Year	29.5	18.4	35.9*	8.3*	39.3	2.5	71	63	896	318	76	2859	65	–	–
No. of Years	28	28	28	28	28	28	13	12	28	28	13	12	12	–	–

Pafúri 22°27′S 31°20′E 215 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.9	21.5	40.9	16.9	47.0	10.4	62	43	81	65	7	235	57	–	–
February	34.3	21.5	39.5	17.3	44.0	12.6	66	48	63	97	7	200	55	–	–
March	33.7	20.4	39.0	15.8	42.8	12.2	64	44	36	44	4	228	60	–	–
April	32.6	17.7	38.7	12.2	41.5	9.0	64	42	22	53	4	230	66	–	–
May	30.0	12.7	35.3	7.8	41.5	3.8	64	37	6	26	2	267	78	–	–
June	28.3	9.6	33.2	4.4	40.5	0.5	65	37	7	27	2	226	70	–	–
July	28.5	9.3	33.8	4.7	42.5	0.8	63	35	1	6	1	252	75	–	–
August	30.3	11.7	36.3	5.7	39.5	1.0	59	32	4	27	1	260	74	–	–
September	32.9	15.7	39.8	9.3	43.5	3.9	55	34	7	55	2	237	66	–	–
October	35.2	18.7	42.2	12.8	46.7	8.7	55	32	13	27	3	254	67	–	–
November	35.3	20.3	42.5	15.0	47.5	8.5	57	35	44	57	5	232	59	–	–
December	35.5	21.2	41.6	16.2	44.2	11.5	58	42	76	101	7	227	54	–	–
Year	32.6	16.7	43.7*	3.4*	47.5	0.5	61	38	360	101	45	2848	65	–	–
No. of Years	28	28	28	28	28	28	13	6	28	28	13	6	6	–	–

Pebane 17°16′S 38°09′E 25 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	23.5	35.4	21.1	38.4	18.5	74	73	247	210	16	220	54	–	–
February	31.3	23.8	35.2	21.8	38.2	20.0	75	73	227	185	14	217	60	–	–
March	30.4	23.4	33.5	21.1	37.2	19.7	76	74	253	265	16	231	62	–	–
April	29.8	22.3	33.1	19.8	36.6	17.8	75	70	133	359	13	225	64	–	–
May	28.1	19.9	32.1	17.1	35.0	15.0	75	68	86	184	10	244	69	–	–
June	26.5	18.0	30.1	15.0	33.0	11.6	77	69	77	65	10	223	66	–	–
July	25.8	17.5	29.5	14.3	32.0	8.4	78	69	61	88	11	218	64	–	–
August	26.6	18.0	31.4	15.2	34.5	12.4	73	67	35	93	5	256	72	–	–
September	28.3	19.7	34.1	16.7	38.0	14.5	64	68	12	31	4	278	77	–	–
October	30.5	21.5	37.3	18.1	39.9	14.5	58	68	8	35	2	308	79	–	–
November	31.1	23.0	37.5	19.9	41.5	14.3	62	68	47	86	5	284	73	–	–
December	31.3	23.5	36.0	20.9	40.0	19.6	68	70	132	98	11	248	61	–	–
Year	29.2	21.2	38.6*	13.7*	41.5	8.4	71	70	1318	359	117	2952	67	–	–
No. of Years	24	24	24	24	24	24	13	13	25	25	13	13	13	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Porto Amelia   12°58′S 40°30′E   49 m

Period 1948–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	24.0	33.6	22.1	35.3	20.5	77	74	155	93	15	202	51	–	–
February	31.3	23.8	33.5	21.9	35.6	19.8	81	75	165	174	15	184	52	–	–
March	31.4	23.7	33.5	22.1	36.0	20.2	80	71	192	161	16	215	57	–	–
April	31.1	23.1	32.7	21.3	33.8	19.1	78	68	127	111	12	225	64	–	–
May	30.3	21.4	31.9	19.5	33.5	17.8	73	62	24	44	6	264	74	–	–
June	29.1	20.0	30.7	18.1	32.0	14.5	72	61	16	43	4	236	69	–	–
July	28.6	19.6	30.2	17.6	31.5	15.5	69	59	16	39	4	243	69	–	–
August	29.0	19.9	30.6	18.1	32.6	16.5	69	60	5	27	2	272	75	–	–
September	29.8	21.0	31.4	19.5	33.4	18.4	67	60	5	15	2	277	77	–	–
October	30.4	22.8	32.6	20.9	33.9	19.0	67	64	10	40	2	304	79	–	–
November	31.2	23.9	33.5	22.3	35.2	20.8	67	67	34	95	5	282	74	–	–
December	31.5	24.3	33.7	22.2	35.8	20.5	72	72	127	224	11	235	59	–	–
Year	30.4	22.3	34.5*	17.3*	36.0	14.5	73	66	876	224	94	2939	67	–	–
No. of Years	23	23	23	23	23	23	20	20	23	23	15	20	20	–	–

Quelimane   17°53′S 36°53′E   6 m

Period 1941–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.6	23.6	37.1	21.2	40.3	17.6	76	68	267	237	17	211	52	–	–
February	32.5	23.8	36.8	21.6	38.8	19.4	77	68	274	185	15	202	56	–	–
March	31.5	23.3	35.6	21.1	38.4	19.5	79	68	249	156	17	213	56	–	–
April	30.9	21.9	34.9	19.0	37.4	15.9	78	66	115	175	12	222	63	–	–
May	28.9	19.1	33.5	15.8	37.0	13.5	81	64	79	95	12	227	65	–	–
June	27.1	16.8	31.2	13.7	34.0	8.3	84	65	64	69	10	199	59	–	–
July	26.6	16.1	31.3	12.9	34.1	10.3	84	63	52	52	11	201	58	–	–
August	28.0	16.9	33.2	13.4	37.0	10.3	78	61	27	35	7	254	71	–	–
September	29.8	18.8	36.3	14.7	39.0	11.1	69	61	14	35	4	258	72	–	–
October	32.1	21.3	38.9	16.5	42.9	12.8	61	60	12	19	4	291	75	–	–
November	32.7	22.7	39.6	18.6	42.8	15.7	64	63	82	187	7	250	64	–	–
December	32.9	23.3	38.2	20.1	42.2	17.3	70	66	185	161	13	231	57	–	–
Year	30.5	20.6	40.5*	12.2*	42.9	8.3	75	64	1420	237	129	2759	62	–	–
No. of Years	30	30	30	30	30	30	20	20	30	30	15	20	20	–	–

Quissico   24°43′S 34°45′E   147 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.4	21.7	35.8	18.7	45.1	14.0	75	71	147	393	11	236	56	–	–
February	29.4	22.1	34.7	19.4	39.2	14.6	77	73	154	210	11	203	56	–	–
March	28.7	21.2	33.6	18.5	38.5	13.8	76	71	89	107	11	240	63	–	–
April	28.0	19.7	33.9	16.9	40.0	12.8	75	69	73	107	9	220	64	–	–
May	26.6	17.4	31.5	13.8	38.0	8.0	78	67	70	113	9	239	70	–	–
June	24.9	15.6	29.5	12.6	34.5	8.2	79	67	59	64	9	215	67	–	–
July	24.6	15.0	29.4	12.4	33.0	10.5	78	66	50	57	9	236	71	–	–
August	25.2	15.8	32.0	12.7	38.4	9.9	76	64	31	47	8	236	67	–	–
September	26.5	16.9	35.0	13.8	42.0	10.0	72	66	41	101	6	233	65	–	–
October	28.2	18.5	37.7	15.2	48.0	11.9	70	65	42	64	7	242	61	–	–
November	28.6	19.9	36.7	16.7	42.0	13.8	71	69	91	205	7	234	58	–	–
December	29.2	20.7	36.5	17.8	44.5	14.1	74	72	115	117	9	233	55	–	–
Year	27.5	18.7	39.6*	11.4*	48.0	8.0	75	68	962	393	106	2767	63	–	–
No. of Years	28	25	28	26	28	26	13	12	28	28	13	12	12	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Ribauè 14°59′S 38°16′E 535 m

Period 1941–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	19.7	34.2	17.5	36.0	12.0	71	61	266	145	19	176	45	–	–
February	30.9	19.6	33.4	17.8	35.0	12.5	73	62	223	135	18	166	49	–	–
March	30.1	19.0	33.1	16.2	34.5	11.0	73	62	219	111	16	194	51	–	–
April	29.3	17.9	32.1	15.0	34.0	10.5	72	61	65	68	11	174	49	–	–
May	27.7	15.9	30.9	12.8	32.1	9.1	70	55	19	57	5	181	53	–	–
June	26.3	13.9	29.3	10.5	31.6	7.2	69	53	9	11	4	146	44	–	–
July	25.9	13.1	28.8	9.3	30.0	4.3	69	53	10	16	5	172	51	–	–
August	28.1	14.2	31.8	10.5	35.0	6.0	62	44	10	68	3	210	58	–	–
September	30.7	15.9	33.7	12.7	36.0	10.0	52	37	6	31	2	230	63	–	–
October	32.8	18.1	35.7	14.8	38.0	9.8	52	36	17	28	3	263	68	–	–
November	32.9	19.5	35.4	16.1	38.0	11.0	57	43	93	88	7	217	56	–	–
December	31.2	19.7	34.8	17.6	36.5	12.0	67	56	199	175	16	181	45	–	–
Year	29.7	17.2	36.3*	8.9*	38.0	4.3	66	52	1136	175	109	2310	53	–	–
No. of Years	19	19	19	19	19	19	14	14	29	29	14	10	9	–	–

Sofala (Beira) 19°50′S 34°51′E 7 m

Period 1941–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	23.6	35.1	21.3	39.4	20.0	76	68	291	287	15	248	56	–	–
February	31.4	23.8	35.0	21.5	37.8	19.0	77	68	274	366	14	236	61	–	–
March	30.6	23.0	34.0	20.4	37.2	18.5	78	66	252	196	15	263	67	–	–
April	29.7	21.5	33.8	18.1	37.4	16.1	77	65	117	184	9	260	72	–	–
May	27.6	18.5	32.1	15.7	36.6	13.2	79	64	63	101	8	266	74	–	–
June	25.6	16.5	30.2	13.0	33.4	8.3	81	66	42	89	10	235	68	–	–
July	25.1	16.0	29.9	12.6	33.0	8.2	81	66	37	94	8	250	70	–	–
August	26.0	16.9	30.6	13.7	34.3	11.5	79	67	36	65	7	270	72	–	–
September	27.5	18.5	32.0	14.9	39.6	12.0	72	66	25	63	4	262	69	–	–
October	29.4	20.6	34.9	16.6	41.6	13.1	68	66	22	95	5	283	69	–	–
November	30.3	22.1	35.2	18.8	42.9	16.3	70	67	131	218	9	248	59	–	–
December	31.0	22.9	35.3	20.1	41.0	17.0	72	68	229	150	14	252	56	–	–
Year	28.8	20.3	37.7*	11.8*	42.9	8.2	76	66	1519	366	118	3073	66	–	–
No. of Years	30	30	30	30	30	30	20	20	30	30	15	20	20	–	–

Tete 16°11′S 33°35′E 149 m

Period 1941–70 Bibliography 54, 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.1	23.3	37.0	21.0	41.4	19.4	75	55	146	115	14	209	52	–	–
February	33.0	23.4	36.7	21.0	39.4	19.6	76	55	161	110	12	200	56	–	–
March	32.9	22.5	36.7	19.4	40.0	16.9	72	49	105	119	10	239	63	–	–
April	32.5	21.3	36.9	17.3	39.4	15.0	69	43	19	99	4	241	68	–	–
May	30.9	18.1	35.8	13.4	39.2	10.5	66	38	2	4	2	265	75	–	–
June	28.4	15.2	33.4	10.9	35.5	6.0	67	38	4	13	3	233	69	–	–
July	28.1	15.1	32.7	10.4	35.5	4.5	66	37	2	6	2	237	68	–	–
August	30.5	17.1	36.1	12.6	38.6	7.7	62	31	2	15	2	271	76	–	–
September	33.2	20.1	39.1	15.9	41.5	11.0	57	28	2	8	1	271	75	–	–
October	36.4	23.0	41.7	18.5	44.5	14.0	51	27	3	17	2	287	74	–	–
November	36.1	24.0	42.1	20.3	45.2	16.1	56	35	48	67	7	248	64	–	–
December	34.1	23.8	39.6	21.0	43.0	19.3	67	48	126	130	12	223	55	–	–
Year	32.4	20.6	42.8*	9.6*	45.2	4.5	65	40	620	130	71	2924	66	–	–
No. of Years	18	18	18	18	18	18	19	19	27	26	15	19	19	–	–

*Average of highest/lowest each year

MOZAMBIQUE

Vilanculos 22°00′S 35°19′E 20 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	22.9	33.3	18.9	36.0	16.7	73	71	155	175	11	261	63	–	–
February	31.1	22.8	33.5	19.3	35.9	16.9	74	70	181	326	10	232	63	–	–
March	30.6	21.7	33.1	18.0	35.7	14.4	72	67	109	141	11	265	70	–	–
April	29.5	19.7	31.5	15.5	32.6	12.5	71	67	41	47	6	250	75	–	–
May	27.6	16.6	30.2	12.7	35.0	9.3	73	66	31	60	7	250	73	–	–
June	25.8	14.3	28.6	10.3	32.9	4.6	74	66	28	95	7	230	72	–	–
July	25.3	13.7	27.5	10.2	29.8	7.0	74	64	16	29	8	232	69	–	–
August	25.8	15.1	27.9	11.0	32.4	8.4	72	66	20	50	6	259	74	–	–
September	26.9	17.9	29.5	12.5	32.4	10.5	68	67	19	76	4	260	72	–	–
October	28.4	20.7	30.7	14.9	33.5	11.0	68	69	31	164	4	270	70	–	–
November	29.4	22.0	32.2	16.9	36.3	13.0	68	69	73	260	6	257	65	–	–
December	30.1	22.5	32.7	18.0	35.9	15.3	70	70	147	143	9	256	60	–	–
Year	28.4	19.2	34.5*	9.3*	36.3	4.6	71	68	851	326	89	3022	69	–	–
No. of Years	27	27	27	27	27	27	13	13	27	27	13	13	13	–	–

Zumbo 15°37′S 30°26′E 339 m

Period 1941–68 Bibliography 75, 76, 77	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.5	22.3	37.6	20.1	41.7	17.8	75	59	181	124	15	197	49	–	–
February	32.1	22.1	36.3	19.9	39.4	17.4	81	63	170	89	14	176	50	–	–
March	32.8	21.4	36.5	18.0	39.8	12.0	72	54	88	417	6	251	66	–	–
April	33.0	19.8	37.1	15.3	41.1	12.3	67	47	9	35	2	261	74	–	–
May	31.2	15.9	35.6	11.1	38.6	8.4	64	41	2	19	1	289	82	–	–
June	28.7	12.8	32.9	8.5	35.2	2.0	63	39	< 1	5	< 1	272	81	–	–
July	28.5	12.6	32.4	7.8	35.0	4.1	59	37	< 1	3	< 1	278	79	–	–
August	31.0	14.7	36.0	9.8	38.9	6.2	52	32	1	20	< 1	308	86	–	–
September	34.4	18.9	39.6	13.6	43.1	10.0	46	30	< 1	2	< 1	309	86	–	–
October	37.8	22.7	42.5	18.0	45.9	14.2	42	28	5	18	1	319	83	–	–
November	36.6	23.6	42.6	19.5	48.8	17.0	52	39	73	216	8	224	58	–	–
December	34.1	22.7	39.9	19.8	43.7	16.5	69	52	180	129	14	203	50	–	–
Year	32.7	19.1	43.4*	7.2*	48.8	2.0	62	43	709	417	61	3087	70	–	–
No. of Years	27	27	27	27	27	27	14	13	27	27	13	13	13	–	–

*Average of highest/lowest each year

NAMIBIA

Gobabis 22°28'S 18°58'E 1436 m

Period 1945–71 Bibliography 16, 17, 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.8	18.1	35.6	12.9	38.1	4.7	58	29	62	53	9	287	69	–	< 1
February	30.3	17.2	34.0	13.2	36.2	7.9	68	35	72	91	8	258	71	–	< 1
March	29.1	15.7	32.8	11.0	38.0	7.6	72	33	62	64	8	277	73	–	< 1
April	27.4	12.4	31.2	6.0	35.2	0.7	70	31	32	38	5	280	81	–	< 1
May	24.5	7.0	28.6	0.2	31.6	−6.5	64	25	8	24	2	311	90	–	< 1
June	21.5	3.6	25.7	−2.8	30.1	−7.8	67	25	4	25	< 1	298	92	–	0
July	22.0	3.0	26.1	−4.5	28.0	−9.9	60	23	< 1	5	< 1	316	93	–	0
August	25.1	5.2	30.0	−2.1	33.1	−8.6	48	17	1	7	< 1	328	93	–	< 1
September	28.8	9.3	32.9	0.8	34.5	−4.7	38	15	7	31	1	312	87	–	0
October	31.1	13.4	35.1	5.7	37.0	0.0	38	17	15	49	3	316	81	–	< 1
November	31.2	16.0	35.2	10.1	36.9	5.2	45	23	37	74	7	280	71	–	< 1
December	31.9	17.5	35.3	12.9	37.5	7.8	50	25	36	60	7	322	77	–	0
Year	27.9	11.5	36.8*	−5.5*	38.1	−9.9	57	25	336	91	50	3585	81	–	< 1
No. of Years	26	26	26	26	26	26	20	20	26	26	18	10	10	–	10

Keetmanshoop 26°32'S 18°07'E 1064 m

Period 1941–70 Bibliography 16, 17, 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.3	18.5	39.6	12.8	41.7	7.5	41	17	18	27	4	356	85	–	< 1
February	34.3	18.7	38.4	12.7	41.5	7.7	49	22	30	62	6	303	83	–	0
March	32.3	17.4	36.5	10.3	39.7	6.9	53	25	34	27	6	309	81	–	< 1
April	28.4	13.7	33.7	6.6	37.3	1.0	55	24	16	27	3	307	89	–	< 1
May	24.4	9.7	30.4	3.3	34.1	0.4	53	23	6	26	2	304	91	–	< 1
June	21.1	6.8	26.7	0.2	31.5	−3.0	55	26	2	14	1	287	91	–	0
July	21.3	6.0	27.1	−0.5	30.7	−4.0	51	23	< 1	1	1	306	93	–	0
August	23.9	7.5	30.9	0.4	34.0	−3.0	45	18	1	12	< 1	322	93	–	0
September	27.0	10.6	34.8	2.6	36.5	−0.6	37	15	1	12	< 1	320	90	–	0
October	30.2	12.9	37.0	5.1	39.9	0.6	37	15	6	28	2	342	87	–	0
November	32.9	15.7	38.4	8.0	40.6	4.7	36	14	11	33	3	351	87	–	0
December	34.5	17.4	39.4	10.3	42.2	2.6	36	15	13	99	3	369	86	–	< 1
Year	28.8	12.9	40.3*	−1.2*	42.2	−4.0	46	20	138	99	31	3876	88	–	< 1
No. of Years	30	30	30	30	30	30	20	20	30	30	20	20	20	–	20

Lüderitz Bay 26°38'S 15°06'E 23 m

Period 1941–70 Bibliography 16, 17, 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	21.4	14.0	25.2	11.5	32.5	7.5	89	76	1	13	< 1	199	50	–	< 1
February	20.5	14.2	25.4	11.4	30.0	5.0	91	77	2	24	1	202	55	–	1
March	21.3	13.7	27.4	11.1	34.1	8.0	90	75	3	31	1	256	68	–	< 1
April	20.2	12.2	27.6	9.9	35.3	5.5	88	73	2	19	< 1	217	63	–	1
May	19.3	11.3	27.6	8.5	33.0	3.3	85	75	3	20	1	213	61	–	1
June	18.9	11.1	27.5	7.5	31.6	0.2	77	71	2	23	1	144	45	–	3
July	17.9	10.1	26.1	7.1	30.7	3.0	78	70	2	10	1	170	51	–	2
August	17.1	10.0	26.2	7.3	32.7	5.0	83	73	1	9	1	202	57	–	2
September	17.3	10.5	25.8	7.9	35.1	7.0	87	75	1	9	< 1	217	61	–	1
October	18.2	11.5	24.1	8.6	35.0	3.4	86	74	< 1	2	< 1	201	51	–	2
November	19.4	12.4	24.7	9.6	37.5	4.9	86	75	< 1	4	< 1	189	48	–	1
December	20.6	13.3	24.6	10.7	30.6	3.9	86	75	1	7	< 1	178	42	–	3
Year	19.3	12.0	30.5*	5.7*	37.5	0.2	85	74	18	31	6	2388	54	–	17
No. of Years	30	30	30	30	30	30	20	20	30	30	20	8	8	–	8

*Average of highest/lowest each year

NAMIBIA

Mariental 24°37′S 17°58′E 1099 m

Period 1954–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.1	20.7	38.5	15.2	40.3	10.8	46	24	31	33	5	316	78	–	< 1
February	33.7	20.0	37.1	15.6	39.5	10.5	52	27	49	81	6	293	79	–	< 1
March	31.9	18.6	35.7	12.9	39.4	10.0	61	31	48	44	6	292	77	–	< 1
April	29.2	13.6	33.3	7.2	36.3	3.0	59	26	14	23	3	291	84	–	< 1
May	25.4	8.7	30.3	2.9	32.5	−0.5	58	25	3	10	1	308	91	–	0
June	21.9	5.1	26.7	−0.4	29.2	−3.5	61	27	3	23	1	278	90	–	< 1
July	22.6	4.7	27.6	−1.4	29.1	−5.0	56	24	1	4	< 1	308	92	–	0
August	25.2	6.6	31.4	0.2	33.2	−4.4	47	21	1	8	< 1	316	90	–	0
September	29.4	10.8	34.5	4.1	36.8	1.2	38	16	2	9	1	313	87	–	0
October	31.5	14.1	37.1	7.8	38.9	5.5	34	16	11	37	2	322	85	–	0
November	33.7	17.7	38.3	11.6	40.3	7.5	38	18	22	53	3	320	80	–	< 1
December	35.1	19.8	39.0	14.5	40.8	7.7	39	21	17	35	4	350	85	–	0
Year	29.6	13.4	39.4*	−2.0*	40.8	−5.0	49	23	202	81	32	3707	85	–	< 1
No. of Years	17	17	17	17	17	17	17	17	17	17	13	11	11	–	11

Nkarapamwe (formerly Rundu) 17°55′S 19°46′E 1102 m

Period 1941–70 Bibliography 16, 17, 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.3	18.8	35.9	15.7	38.5	9.5	82	50	128	99	12	–	–	–	–
February	30.3	18.3	34.2	15.4	39.5	12.2	86	53	147	106	13	–	–	–	–
March	30.6	17.6	33.9	14.1	37.5	10.4	84	49	96	120	9	–	–	–	–
April	30.4	15.3	33.5	10.5	36.5	7.5	79	42	37	76	4	–	–	–	–
May	28.9	10.0	31.9	4.6	33.3	1.0	71	33	2	9	1	–	–	–	–
June	26.6	6.3	29.3	2.0	31.6	−2.0	72	29	0	0	0	–	–	–	–
July	26.7	6.1	30.0	1.0	32.4	−4.2	69	28	< 1	1	< 1	–	–	–	–
August	30.0	8.7	33.6	3.1	35.6	0.5	56	23	< 1	3	< 1	–	–	–	–
September	33.4	13.5	36.5	7.3	37.8	3.4	47	22	1	11	< 1	–	–	–	–
October	35.1	17.4	38.8	12.6	40.8	9.5	49	28	15	40	4	–	–	–	–
November	32.7	18.6	37.6	14.1	40.0	9.8	67	39	67	44	8	–	–	–	–
December	32.2	18.5	36.3	15.2	39.3	12.0	73	44	83	78	9	–	–	–	–
Year	30.7	14.1	38.8*	0.4*	40.8	−4.2	70	37	576	120	60	–	–	–	–
No. of Years	19	19	19	18	19	18	17	16	26	18	13	–	–	–	–

Ondangua 17°56′S 15°59′E 1095 m

Period 1941–70 Bibliography 16, 17, 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.6	18.7	36.6	14.6	40.5	5.0	69	39	97	113	10	–	–	–	–
February	30.9	18.6	34.8	14.9	38.0	9.4	80	46	115	94	10	–	–	–	–
March	30.9	18.5	34.3	14.5	39.5	7.6	79	44	82	80	8	–	–	–	–
April	30.9	16.5	33.6	11.6	36.6	8.0	72	36	35	58	3	–	–	–	–
May	29.1	11.5	31.8	6.2	35.4	0.1	60	26	3	25	< 1	–	–	–	–
June	26.5	7.8	29.2	3.2	35.6	−3.0	57	24	0	0	0	–	–	–	–
July	26.7	7.1	29.2	2.1	31.1	−2.0	54	23	< 1	1	< 1	–	–	–	–
August	29.5	8.9	32.9	3.6	34.5	−3.0	45	20	< 1	1	< 1	–	–	–	–
September	33.2	12.9	36.0	6.9	38.5	2.5	40	17	< 1	2	< 1	–	–	–	–
October	34.5	16.7	37.6	11.0	39.4	6.0	45	22	11	33	3	–	–	–	–
November	33.6	18.3	37.6	13.1	40.0	10.5	57	31	41	53	6	–	–	–	–
December	32.7	19.2	36.2	14.2	39.0	10.0	60	36	78	77	7	–	–	–	–
Year	30.9	14.6	38.2*	−1.1*	40.5	−3.0	60	30	462	113	47	–	–	–	–
No. of Years	25	25	25	25	25	25	14	14	25	25	10	–	–	–	–

*Average of highest/lowest each year

NAMIBIA

Outjo 20°07'S 16°09'E 1265 m

Period 1951–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.5	17.1	36.1	12.1	37.7	9.7	63	33	67	49	10	268	65	–	< 1
February	30.7	16.7	34.4	12.3	36.9	8.7	74	40	101	60	11	247	68	–	< 1
March	30.0	16.7	33.2	12.6	35.7	9.4	78	41	84	59	10	247	65	–	< 1
April	29.2	13.9	31.9	8.0	34.4	0.6	74	34	36	43	5	274	79	–	< 1
May	27.2	9.1	30.1	3.2	34.5	0.0	64	25	6	24	1	310	89	–	0
June	24.8	6.0	27.6	1.1	30.8	−4.4	60	24	< 1	< 1	< 1	305	93	–	0
July	25.1	5.7	27.7	−0.1	29.9	−3.9	56	21	0	0	0	303	92	–	0
August	27.9	7.6	31.5	1.7	33.1	−1.8	50	18	2	16	< 1	316	89	–	0
September	31.4	10.9	34.4	4.4	36.3	−2.4	45	16	2	11	1	307	85	–	0
October	33.0	14.0	36.4	7.5	38.7	3.5	45	18	12	25	3	312	80	–	< 1
November	32.7	16.2	36.7	10.6	39.6	5.6	51	25	47	51	7	267	68	–	0
December	33.2	16.5	36.6	11.6	39.6	7.8	53	27	52	63	7	302	73	–	< 1
Year	29.8	12.5	37.7*	−1.2*	39.6	−4.4	59	27	409	63	55	3458	79	–	< 1
No. of Years	20	20	20	20	20	20	20	20	20	20	20	10	10	–	10

Pelican Point 22°53'S 14°26'E 7 m

Period 1958–70 Bibliography 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	20.1	15.2	23.1	12.2	25.2	10.5	93	81	2	16	1	167	40	–	1
February	20.4	15.4	23.3	12.6	24.4	9.2	93	81	< 1	1	1	158	44	–	1
March	19.5	14.7	23.4	12.1	28.2	10.5	95	83	3	24	1	154	40	–	2
April	18.5	12.8	26.2	9.9	33.0	8.5	96	83	1	5	< 1	170	49	–	1
May	18.6	11.7	28.5	8.7	35.0	7.4	92	79	< 1	3	< 1	190	56	–	1
June	18.6	10.9	29.0	7.5	32.5	6.0	88	74	1	4	< 1	198	61	–	2
July	17.9	10.2	28.4	6.9	32.4	3.4	89	74	< 1	< 1	< 1	185	55	–	2
August	16.6	10.2	25.3	7.4	30.7	6.2	93	79	< 1	4	< 1	179	51	–	2
September	15.9	10.7	20.8	8.0	30.5	6.1	95	82	< 1	< 1	1	147	41	–	2
October	17.0	11.4	22.5	9.1	27.5	7.9	94	80	< 1	1	< 1	178	46	–	1
November	18.1	12.8	22.5	10.3	28.3	8.5	94	81	1	11	1	179	45	–	1
December	19.2	14.2	21.7	11.6	23.6	9.6	93	81	< 1	1	< 1	173	41	–	1
Year	18.4	12.5	31.5*	6.3*	35.0	3.4	93	80	8	24	5	2078	47	–	17
No. of Years	13	13	13	13	13	13	13	13	13	13	13	10	10	–	10

Tsumeb 19°14'S 17°43'E 1311 m

Period 1941–70 Bibliography 16, 17, 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.3	18.5	35.5	15.0	38.6	10.6	70	40	126	75	16	254	60	–	< 1
February	29.8	17.7	33.9	14.3	38.7	9.9	78	47	143	123	13	229	63	–	< 1
March	29.6	16.9	32.9	12.8	37.0	6.6	80	45	85	79	11	229	61	–	1
April	29.2	14.6	32.2	9.7	34.8	3.3	74	36	38	121	6	256	73	–	0
May	27.2	10.0	30.3	4.7	32.8	1.1	65	26	5	21	1	301	87	–	0
June	24.7	7.2	27.7	2.4	30.0	−3.6	58	23	< 1	3	< 1	296	90	–	0
July	25.1	7.1	28.3	2.9	31.0	−1.7	53	21	0	0	0	311	90	–	0
August	28.2	9.8	31.8	4.6	34.0	0.7	43	17	< 1	5	< 1	317	89	–	0
September	31.8	14.7	35.1	8.6	37.8	2.8	34	16	3	11	1	304	85	–	0
October	33.6	18.2	37.1	12.4	39.0	6.6	35	18	17	33	4	286	74	–	< 1
November	32.5	18.4	36.9	14.3	39.8	11.2	53	30	63	69	11	246	63	–	< 1
December	31.9	18.6	35.9	14.4	38.1	7.8	60	34	80	81	12	286	70	–	< 1
Year	29.6	14.3	37.8*	1.5*	39.8	−3.6	59	29	560	123	75	3315	75	–	1
No. of Years	27	27	27	27	27	27	17	17	27	27	16	9	9	–	9

*Average of highest/lowest each year

NAMIBIA

Windhoek 22°34′S 17°06′E 1728 m

Period 1941–70 Bibliography 16, 17, 78	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.2	17.2	33.7	12.4	36.0	7.5	48	26	71	76	12	275	67	–	< 1
February	28.7	16.5	32.3	12.5	34.5	8.1	59	35	76	46	11	241	66	–	< 1
March	27.4	15.4	30.8	11.3	34.9	3.7	62	36	77	84	10	258	68	–	< 1
April	25.8	12.9	28.9	7.8	31.3	2.4	56	29	41	170	5	284	82	–	0
May	22.9	9.3	26.2	3.5	28.6	−0.5	48	22	5	15	2	310	91	–	0
June	20.2	6.7	23.4	1.5	26.1	−2.8	48	21	2	19	< 1	300	93	–	0
July	20.7	6.5	23.5	0.8	25.3	−2.3	41	17	1	11	< 1	309	95	–	0
August	23.6	8.9	27.2	2.9	30.0	−2.8	32	13	1	9	< 1	326	92	–	0
September	27.3	12.4	30.6	5.0	32.7	0.4	26	11	3	43	1	313	87	–	< 1
October	29.3	14.6	33.0	7.1	34.7	1.6	28	13	13	39	3	315	81	–	0
November	29.7	15.8	33.7	9.9	35.5	4.3	37	20	35	46	7	291	74	–	< 1
December	30.4	16.8	34.0	11.1	35.0	3.3	40	21	39	111	7	304	73	–	< 1
Year	26.3	12.7	34.8*	−0.1*	36.0	−2.8	44	22	364	170	58	3526	81	–	< 1
No. of Years	30	30	30	30	30	30	20	20	30	30	20	20	20	–	20

---

*Average of highest/lowest each year

NIGER

Agadez 16°19′N 07°59′E 498 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.2	10.9	34.6	6.3	39.3	2.8	36	16	< 1	1	< 1	296	–	–	< 1
February	32.0	13.1	37.0	7.3	40.5	1.9	30	13	< 1	1	< 1	279	–	–	< 1
March	35.9	17.3	40.3	12.2	43.0	8.2	27	12	< 1	1	< 1	294	–	–	0
April	39.6	21.8	42.9	16.4	44.8	9.0	24	11	2	32	< 1	272	–	–	< 1
May	41.4	24.4	44.1	19.2	46.0	16.0	30	15	8	36	2	300	–	–	< 1
June	41.6	24.8	44.1	20.9	45.3	18.0	40	20	11	38	3	286	–	–	< 1
July	39.2	23.8	42.5	20.2	44.3	16.0	63	32	44	50	7	300	–	–	0
August	36.9	23.0	40.6	19.2	42.4	16.2	76	42	83	66	11	282	–	–	< 1
September	38.6	22.8	41.2	19.3	42.8	16.5	59	26	21	28	4	280	–	–	0
October	37.7	20.3	40.3	15.7	42.0	12.9	37	16	1	3	< 1	310	–	–	0
November	33.5	15.4	37.4	10.8	44.3	7.0	37	15	< 1	< 1	< 1	299	–	–	< 1
December	29.7	12.0	34.2	7.4	37.0	4.3	37	17	< 1	1	< 1	285	–	–	< 1
Year	36.3	19.1	44.6*	5.2*	46.0	1.9	41	20	170	66	27	3483	–	–	< 1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

Bilma 18°41′N 12°55′E 359 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.3	8.9	32.1	2.7	36.0	0.4	41	17	< 1	4	< 1	296	–	–	1
February	29.6	10.3	34.9	4.5	38.7	0.1	34	14	0	0	0	280	–	–	0
March	33.8	15.1	39.2	8.1	42.6	3.4	28	12	< 1	< 1	< 1	302	–	–	< 1
April	38.3	19.8	42.6	13.4	44.0	8.8	23	10	< 1	< 1	< 1	290	–	–	< 1
May	41.0	22.9	44.3	16.6	46.0	13.9	26	11	1	12	< 1	326	–	–	0
June	42.2	24.2	44.8	19.7	46.6	15.9	29	13	1	5	< 1	316	–	–	0
July	41.0	25.1	43.4	20.1	45.2	17.2	37	18	2	15	1	338	–	–	0
August	39.8	25.5	42.7	21.2	43.6	19.0	50	24	12	19	2	322	–	–	0
September	39.9	23.1	42.0	17.9	43.3	15.2	36	16	2	3	1	306	–	–	0
October	37.1	18.8	40.3	13.5	42.8	10.5	32	14	< 1	5	< 1	319	–	–	< 1
November	31.9	13.2	36.0	8.1	39.4	4.5	38	15	< 1	< 1	< 1	308	–	–	< 1
December	27.3	9.5	32.1	4.0	36.2	0.0	41	19	< 1	< 1	< 1	296	–	–	< 1
Year	35.7	18.0	45.0*	2.1*	46.6	0.0	35	15	18	19	4	3699	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

Maradi 13°28′N 07°05′E 369 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	12.6	36.7	8.2	39.5	5.2	34	12	< 1	< 1	< 1	283	–	–	1
February	34.3	14.7	39.1	9.6	45.2	5.9	28	10	< 1	< 1	< 1	265	–	–	0
March	38.4	19.3	41.8	14.2	43.5	10.8	27	10	< 1	2	< 1	269	–	–	1
April	40.4	23.1	43.3	17.7	44.5	13.8	40	16	8	43	1	241	–	–	1
May	39.6	24.8	42.7	20.3	44.6	17.7	61	30	28	42	4	277	–	–	0
June	37.1	24.0	41.1	18.8	48.0	10.2	75	43	67	41	8	286	–	–	0
July	33.1	22.2	36.8	18.5	41.4	16.0	86	58	171	70	12	260	–	–	< 1
August	30.8	21.5	34.4	18.7	43.0	17.3	93	67	222	86	16	221	–	–	< 1
September	32.9	21.7	36.0	18.7	39.6	17.5	93	59	101	62	9	251	–	–	0
October	36.1	19.1	38.2	14.7	40.0	11.8	78	31	12	45	2	293	–	–	< 1
November	34.9	15.5	37.3	11.4	39.1	8.4	46	15	< 1	1	< 1	280	–	–	0
December	32.2	13.0	35.7	8.9	39.5	6.0	40	13	< 1	< 1	< 1	278	–	–	1
Year	35.1	19.3	43.7*	7.5*	48.0	5.2	58	30	609	86	52	3204	–	–	4
No. of Years	22	22	22	22	22	22	22	18	22	18	22	7	–	–	5

---

*Average of highest/lowest each year

N'Guigmi 14°15'N 13°07'E 289 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						per cent		millimetres			hours		hours	
January	29.0	12.7	34.7	7.5	38.8	5.1	34	22	0	0	0	288	–	–	0
February	31.2	14.6	36.9	9.4	40.0	6.5	29	21	0	0	0	279	–	–	0
March	35.1	18.9	39.9	13.4	43.2	9.0	27	21	0	0	0	285	–	–	< 1
April	37.7	22.0	41.8	16.5	44.2	12.9	32	24	1	15	< 1	264	–	–	1
May	38.7	23.8	42.4	19.3	44.6	16.0	47	29	11	88	1	299	–	–	0
June	38.3	24.2	42.4	20.1	44.8	16.2	60	32	5	25	1	281	–	–	0
July	36.1	24.1	40.9	19.5	42.4	13.0	73	43	67	61	6	264	–	–	< 1
August	33.2	23.3	37.6	19.6	40.0	17.0	82	54	144	106	10	240	–	–	< 1
September	35.3	22.9	39.0	19.6	41.2	17.1	77	43	19	36	3	261	–	–	0
October	35.9	20.5	39.0	16.2	41.6	12.8	49	30	< 1	1	< 1	307	–	–	0
November	32.9	16.7	36.9	11.9	39.2	8.2	37	26	< 1	1	< 1	296	–	–	0
December	29.6	13.0	33.9	8.7	38.2	6.8	38	24	0	0	0	303	–	–	0
Year	34.4	19.7	43.1*	7.1*	44.8	5.1	49	31	247	106	21	3367	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	14	–	–	9

Niamey 13°29'N 02°10'E 222 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	33.4	15.6	37.1	11.8	40.2	9.0	33	13	< 1	< 1	< 1	290	–	–	< 1
February	36.1	18.2	39.9	13.7	41.6	10.5	29	11	0	0	0	266	–	–	< 1
March	39.4	22.3	42.1	17.8	44.4	13.6	28	11	2	19	1	278	–	–	< 1
April	41.0	26.1	43.6	21.9	45.8	17.5	42	19	6	47	1	250	–	–	1
May	40.2	27.2	43.3	21.9	45.5	20.0	60	34	33	47	5	275	–	–	< 1
June	37.0	25.3	41.5	20.2	43.5	18.5	73	45	77	55	9	261	–	–	< 1
July	33.7	23.5	38.2	19.4	40.8	15.0	84	58	181	77	13	247	–	–	< 1
August	31.5	22.6	35.3	19.8	37.8	17.0	91	68	206	101	17	214	–	–	1
September	33.3	22.9	37.3	20.1	40.3	18.6	89	60	112	84	11	236	–	–	< 1
October	37.3	23.3	39.7	19.7	40.7	16.9	76	38	17	43	2	289	–	–	0
November	36.7	19.0	39.1	15.3	40.5	13.2	52	18	< 1	1	< 1	291	–	–	0
December	33.9	16.0	37.0	12.3	39.8	8.7	41	15	< 1	< 1	< 1	287	–	–	< 1
Year	36.1	21.8	43.8*	10.8*	45.8	8.7	58	33	634	101	59	3184	–	–	2
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

Tahoua 14°54'N 05°15'E 386 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						per cent		millimetres			hours		hours	
January	32.1	15.2	36.7	10.8	39.1	7.8	26	13	1	< 1	< 1	280	–	–	1
February	34.7	17.4	38.7	12.4	41.2	8.0	22	11	< 1	1	< 1	256	–	–	0
March	38.3	21.6	41.9	17.0	46.4	12.9	19	10	1	7	< 1	256	–	–	< 1
April	40.7	25.2	43.7	21.0	45.6	15.8	27	13	5	20	1	215	–	–	2
May	40.7	26.7	43.7	22.1	45.4	19.2	57	25	19	35	4	271	–	–	0
June	38.5	25.5	42.3	19.6	43.5	18.0	66	36	56	68	8	256	–	–	< 1
July	34.7	23.4	39.2	19.2	42.8	16.5	80	49	125	77	12	283	–	–	0
August	32.3	22.5	36.0	19.4	38.3	17.7	89	62	151	127	14	251	–	–	0
September	34.6	23.0	38.7	19.2	41.6	17.0	87	50	75	45	9	251	–	–	0
October	37.9	22.3	39.9	18.7	41.6	16.2	56	23	11	35	2	288	–	–	0
November	35.8	19.0	38.6	15.1	40.2	12.0	30	12	< 1	< 1	< 1	281	–	–	< 1
December	32.7	16.0	36.2	12.0	39.5	8.6	27	12	0	0	0	285	–	–	< 1
Year	36.1	21.5	44.2*	10.3*	46.4	7.8	48	26	444	127	50	3173	–	–	3
No. of Years	22	22	22	22	22	22	22	18	22	18	22	6	–	–	5

*Average of highest/lowest each year

NIGER

Zinder 13°48′N 09°00′E 477 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	14.7	35.9	10.0	38.4	7.0	33	18	< 1	< 1	< 1	234	–	–	1
February	33.4	17.0	38.1	12.2	41.0	9.0	28	15	< 1	4	< 1	219	–	–	1
March	37.3	21.4	41.4	16.4	43.6	13.0	25	13	< 1	3	< 1	224	–	–	1
April	39.9	24.5	43.1	20.9	48.0	16.6	32	15	< 1	3	< 1	212	–	–	1
May	39.9	25.7	42.9	21.8	44.3	19.0	49	26	27	82	3	235	–	–	< 1
June	37.4	24.9	41.3	20.4	43.2	19.0	68	38	51	72	7	227	–	–	< 1
July	33.7	23.0	37.9	19.2	40.0	17.0	82	55	131	66	12	211	–	–	< 1
August	31.3	21.9	34.9	19.0	37.4	16.8	89	64	221	119	14	187	–	–	1
September	34.2	22.5	37.9	19.4	41.3	15.0	85	52	68	64	8	214	–	–	0
October	37.0	22.1	39.1	19.2	40.8	17.1	54	24	6	11	1	242	–	–	< 1
November	34.4	18.7	37.7	14.8	40.0	11.7	35	18	< 1	2	< 1	235	–	–	< 1
December	31.2	15.3	35.2	11.4	37.6	7.6	36	19	< 1	< 1	< 1	240	–	–	< 1
Year	35.0	21.0	43.6*	9.5*	48.0	7.0	51	30	504	119	45	2680	–	–	5
No. of Years	22	22	22	22	22	22	22	18	22	18	22	22	–	–	13

---

*Average of highest/lowest each year

NIGERIA

Bauchi 10°20′N 09°50′E 609 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.6	13.3	35.7	8.8	38.0	4.4	18	12	0	0	0	289	78	–	–
February	33.9	15.4	37.2	11.3	39.0	8.9	15	10	1	15	< 1	273	80	–	–
March	36.4	19.8	39.1	15.2	40.0	11.7	20	13	4	26	< 1	268	71	–	–
April	36.9	22.6	39.6	18.9	41.0	15.6	36	23	23	49	5	219	60	–	–
May	34.9	22.5	38.3	19.1	39.0	16.7	55	38	90	65	7	249	64	–	–
June	31.8	21.0	35.5	18.1	38.0	16.1	65	51	149	83	11	233	59	–	–
July	29.5	20.1	32.4	18.2	33.0	17.2	75	66	252	81	16	197	48	–	–
August	28.8	19.8	31.2	17.8	32.0	16.7	76	70	314	98	21	161	41	–	–
September	29.6	19.7	32.2	17.7	33.0	16.1	72	62	171	78	15	210	59	–	–
October	32.4	18.6	34.6	15.2	36.0	12.2	53	41	35	44	4	263	76	–	–
November	32.9	15.1	35.1	11.8	36.0	9.4	27	21	1	8	< 1	289	84	–	–
December	31.6	12.7	34.4	9.8	37.0	6.1	21	16	0	0	0	303	85	–	–
Year	32.5	18.4	39.7*	8.2*	41.0	4.4	44	35	1045	98	79	2954	67	–	–
No. of Years	22	22	16	16	16	16	14	14	22	16	7	12	7	–	–

Benin City 06°20′N 05°36′E 78 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.0	21.4	33.7	16.3	34.4	12.8	84	58	22	68	2	183	51	–	–
February	33.4	22.2	34.9	17.4	36.1	13.3	80	53	37	77	4	170	51	–	–
March	33.1	22.6	35.2	20.3	36.7	18.9	82	62	119	82	9	163	43	–	–
April	32.4	22.7	34.5	20.4	35.6	19.4	82	66	167	83	11	171	46	–	–
May	31.6	22.5	33.9	20.0	35.0	18.9	83	71	198	119	15	182	46	–	–
June	29.8	21.8	32.5	19.8	33.3	18.3	87	77	286	105	19	145	36	–	–
July	28.0	21.7	30.7	19.5	31.7	16.7	89	84	412	192	24	97	21	–	–
August	27.9	21.4	30.2	18.7	31.1	16.1	88	80	259	181	22	83	23	–	–
September	28.7	21.8	31.4	19.8	32.2	18.3	88	81	350	141	23	83	23	–	–
October	30.4	21.7	32.4	19.7	33.3	18.3	85	74	252	175	18	154	40	–	–
November	31.8	22.2	33.3	19.3	34.4	15.6	83	66	68	79	6	189	54	–	–
December	32.0	21.3	33.5	17.3	34.4	14.4	83	58	17	65	2	212	59	–	–
Year	30.9	21.9	35.4*	15.1*	36.7	12.8	85	69	2187	192	155	1832	41	–	–
No. of Years	24	24	16	16	16	16	14	14	24	16	9	14	11	–	–

Calabar 04°58′N 08°21′E 63 m

Period 1941–70 Bibliography 79, 80, 81, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	22.4	33.1	19.1	33.9	16.7	84	62	45	56	3	167	48	–	–
February	32.3	22.8	34.6	19.6	36.1	16.7	82	59	69	115	4	147	54	–	–
March	32.1	23.1	34.5	20.9	37.2	20.0	84	67	165	78	11	110	39	–	–
April	31.4	23.0	33.7	21.1	35.0	20.6	84	72	250	179	16	134	42	–	–
May	30.9	22.9	33.4	20.9	33.9	20.0	84	75	287	148	18	136	40	–	–
June	29.2	22.5	31.8	20.7	32.8	20.0	88	79	406	157	20	128	24	–	–
July	27.6	22.1	30.4	20.7	31.7	19.4	90	84	440	130	26	56	18	–	–
August	27.5	22.2	30.2	20.7	31.7	18.9	89	85	347	142	25	50	16	–	–
September	28.2	22.2	31.0	20.9	31.7	20.0	89	85	436	137	24	61	17	–	–
October	29.4	22.2	31.6	20.5	32.2	19.4	87	79	344	163	23	105	30	–	–
November	30.4	22.4	32.4	20.6	32.8	19.4	87	73	189	131	12	135	44	–	–
December	31.0	22.3	32.6	19.8	33.3	17.8	84	65	51	85	4	177	49	–	–
Year	30.1	22.5	34.9*	18.3*	37.2	16.7	86	74	3029	179	186	1406	35	–	–
No. of Years	22	22	16	16	16	16	14	14	27	16	7	7	5	–	–

*Average of highest/lowest each year

NIGERIA

Enugu 06°28′N 07°33′E 140 m

Period 1941–70 Bibliography 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.9	20.5	34.9	15.8	36.1	12.2	63	39	27	124	2	208	56	–	–
February	34.1	22.0	36.3	17.4	37.2	12.8	63	39	22	81	1	202	61	–	–
March	34.0	23.4	36.1	19.8	37.8	16.1	72	50	77	103	5	194	52	–	–
April	32.9	23.3	35.2	20.4	36.1	18.4	74	58	161	98	10	190	52	–	–
May	31.6	22.8	33.8	20.1	35.0	19.4	78	65	235	117	14	193	50	–	–
June	30.1	22.1	32.4	19.8	33.3	17.8	81	69	249	78	19	164	40	–	–
July	29.0	22.0	31.2	20.1	32.2	19.4	82	71	226	108	19	122	32	–	–
August	28.9	22.0	30.7	20.2	31.7	18.9	81	69	166	115	18	105	29	–	–
September	29.6	21.8	31.5	19.8	32.8	18.9	82	71	299	314	19	117	32	–	–
October	30.6	21.7	32.6	19.8	33.3	18.9	81	66	177	102	15	174	46	–	–
November	32.1	21.6	33.5	18.9	34.4	14.4	75	57	44	59	3	211	60	–	–
December	32.5	19.9	34.2	16.1	35.6	12.2	65	43	13	68	1	229	64	–	–
Year	31.5	21.9	36.6*	14.8*	37.8	12.2	75	58	1696	314	126	2109	48	–	–
No. of Years	21	21	16	16	16	16	14	14	28	16	6	14	12	–	–

Ibadan 07°26′N 03°54′E 227 m

Period 1941–70 Bibliography 64, 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.5	20.7	34.7	14.7	37.2	11.1	79	47	15	30	1	195	55	–	–
February	34.2	21.9	36.8	16.4	38.9	11.1	75	42	21	62	2	194	59	–	–
March	33.9	22.7	36.4	19.6	38.3	18.3	80	51	83	94	7	195	51	–	–
April	32.4	22.4	34.9	20.0	37.2	18.3	82	60	120	85	10	172	47	–	–
May	31.3	22.0	33.7	19.6	35.0	18.3	83	68	160	133	12	192	49	–	–
June	29.6	21.5	32.0	19.1	32.8	13.9	86	72	176	166	16	159	39	–	–
July	27.9	21.3	30.1	19.3	31.7	16.1	88	77	169	85	17	100	23	–	–
August	27.3	20.8	29.7	18.6	31.7	16.1	88	76	117	89	16	75	17	–	–
September	28.6	21.2	30.9	19.4	32.2	17.8	88	74	180	86	15	96	24	–	–
October	29.9	21.2	31.7	19.3	33.3	18.3	85	69	162	77	16	168	45	–	–
November	31.4	21.6	32.9	18.6	34.4	14.4	83	61	49	46	4	205	58	–	–
December	32.0	20.9	33.7	15.6	35.0	11.1	81	51	8	36	2	211	61	–	–
Year	30.9	21.5	36.9*	13.3*	38.9	11.1	83	62	1260	166	118	1962	44	–	–
No. of Years	27	27	19	19	19	19	14	17	27	19	9	14	10	–	–

Ibi 08°11′N 09°45′E 111 m

Period 1949–67 Bibliography 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	34.8	18.3	37.3	14.2	38.3	12.8	44	25	1	12	–	270	73	–	–
February	36.6	20.1	39.2	15.3	40.6	13.3	43	22	2	15	–	259	77	–	–
March	37.2	23.8	39.8	18.9	41.1	16.7	57	33	28	44	–	258	67	–	–
April	35.1	24.2	38.4	20.6	40.0	19.4	68	47	96	86	–	220	60	–	–
May	32.7	23.3	36.1	20.4	38.3	20.0	77	60	163	94	–	242	61	–	–
June	30.9	22.2	33.4	19.9	34.4	18.9	81	66	193	106	–	210	50	–	–
July	30.0	22.1	32.2	20.2	32.8	19.4	82	67	131	88	–	165	44	–	–
August	29.8	22.1	32.2	20.2	33.3	19.4	82	68	137	84	–	147	41	–	–
September	30.3	21.9	32.7	20.0	33.3	19.4	82	67	226	108	–	175	47	–	–
October	31.3	21.7	33.8	20.0	35.0	18.3	78	61	138	85	–	243	66	–	–
November	33.5	20.3	35.3	16.1	37.2	11.7	68	46	9	24	–	266	76	–	–
December	34.2	17.4	36.1	13.0	37.2	10.0	47	28	7	107	–	277	78	–	–
Year	33.0	21.5	39.9*	12.6*	41.1	10.0	67	49	1131	108	–	2732	62	–	–
No. of Years	19	19	14	14	14	14	14	14	19	14	–	10	7	–	–

*Average of highest/lowest each year

NIGERIA

Ikeja 06°35′N 03°20′E 40 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0900	Average of observations at 1500	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	21.8	33.7	18.2	35.6	13.9	88	64	28	102	2	180	49	–	–
February	32.9	22.8	34.7	18.8	36.1	15.0	83	61	40	98	3	190	57	–	–
March	32.9	23.1	34.6	20.3	35.6	18.9	82	67	95	137	6	194	52	–	–
April	32.1	22.9	34.1	20.1	35.6	15.6	82	70	134	84	10	181	51	–	–
May	31.1	22.6	33.4	20.6	35.0	20.0	84	75	225	147	13	174	47	–	–
June	27.0	22.3	31.8	20.0	33.3	18.3	88	82	349	111	20	121	31	–	–
July	27.6	21.6	29.9	19.3	31.1	17.2	89	81	251	120	18	85	23	–	–
August	27.7	21.3	29.7	18.3	31.1	15.6	87	78	88	107	12	89	27	–	–
September	28.5	21.6	30.4	19.6	31.1	18.3	87	80	179	153	14	97	26	–	–
October	29.7	21.7	31.8	19.6	33.3	18.9	86	79	187	79	14	158	43	–	–
November	31.2	22.2	32.9	20.2	34.4	17.8	86	75	71	62	7	192	55	–	–
December	31.8	22.0	33.2	19.1	34.4	16.7	88	67	26	100	2	202	57	–	–
Year	30.3	22.2	35.0*	16.6*	36.1	13.9	86	73	1673	153	121	1863	43	–	–
No. of Years	24	24	16	16	16	16	14	14	24	16	9	19	13	–	–

Ilorin 08° 29′N 04°35′E 305 m

Period 1941–70 Bibliography 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0930	Average of observations at 1530	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.9	19.2	36.7	12.7	38.3	10.0	65	31	12	121	1	224	63	–	–
February	35.6	20.7	38.1	14.8	38.9	11.7	61	27	8	19	2	222	67	–	–
March	35.6	22.9	38.1	19.2	39.4	17.2	70	41	56	81	5	234	63	–	–
April	33.9	22.8	36.7	19.9	39.4	18.3	75	51	109	57	9	204	56	–	–
May	32.5	22.0	35.2	19.1	36.1	15.6	79	60	161	87	11	216	55	–	–
June	31.0	21.3	33.3	19.0	35.0	17.8	82	66	199	104	15	193	49	–	–
July	29.2	21.1	31.8	19.3	33.3	17.8	84	69	150	124	15	140	34	–	–
August	28.7	20.7	31.4	18.9	33.9	17.8	84	69	126	99	13	111	29	–	–
September	29.7	20.8	32.1	19.1	33.3	17.8	85	68	249	111	18	128	34	–	–
October	31.3	20.8	33.7	19.1	35.0	18.3	81	63	165	116	13	193	52	–	–
November	33.4	20.0	35.2	16.1	36.7	12.2	72	46	25	39	2	230	64	–	–
December	34.0	18.3	35.9	12.7	37.2	8.9	68	33	11	55	< 1	244	69	–	–
Year	32.4	20.9	38.4*	11.5*	39.4	8.9	75	52	1271	124	104	2339	53	–	–
No. of Years	24	24	16	16	16	16	14	14	30	16	9	19	13	–	–

Jos 09°52′N 08°54′E 1285 m

Period 1941–70 Bibliography 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0930	Average of observations at 1530	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.6	13.6	30.7	8.9	32.2	4.4	19	13	1	10	< 1	299	84	–	–
February	29.1	15.5	31.8	11.1	32.8	7.2	16	11	3	13	< 1	273	83	–	–
March	30.4	17.9	33.1	14.7	34.4	11.7	27	18	22	70	1	260	70	–	–
April	30.1	18.6	33.1	15.9	34.4	13.3	47	37	101	73	9	197	57	–	–
May	28.3	18.1	31.8	15.6	33.3	13.9	67	58	181	87	13	212	53	–	–
June	26.5	17.2	29.5	15.2	31.1	13.9	72	64	215	69	19	203	52	–	–
July	24.2	16.7	27.2	14.9	28.3	13.9	81	77	328	124	24	150	37	–	–
August	23.5	16.5	26.6	14.7	28.9	13.9	83	79	279	68	25	125	32	–	–
September	25.5	16.6	28.0	15.1	28.9	13.9	73	67	224	83	17	176	47	–	–
October	27.7	16.4	29.6	13.7	31.1	10.0	51	43	43	68	6	247	67	–	–
November	27.9	15.3	29.9	12.6	31.7	9.4	24	23	3	34	< 1	273	84	–	–
December	27.5	13.7	29.7	10.4	30.6	7.2	20	16	< 1	10	< 1	307	89	–	–
Year	27.4	16.3	33.4*	8.6	34.4	4.4	48	42	1400	124	114	2722	63	–	–
No. of Years	24	24	16	16	16	16	14	14	30	16	9	19	13	–	–

*Average of highest/lowest each year

NIGERIA

Kaduna 10°36′N 07°27′E 642 m

Period 1941–70 Bibliography 64, 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	14.9	35.2	11.9	37.8	9.4	21	15	1	14	< 1	276	77	–	–
February	33.4	16.8	36.2	12.9	37.2	8.9	21	13	3	30	< 1	259	78	–	–
March	35.0	20.2	37.5	16.1	38.3	14.4	39	20	11	57	1	268	70	–	–
April	34.3	22.1	37.4	18.3	39.4	16.7	58	35	64	53	6	247	64	–	–
May	31.8	21.3	35.3	18.4	37.8	16.7	73	54	146	74	10	241	62	–	–
June	29.7	19.9	32.6	17.5	34.4	15.6	79	63	167	58	15	220	56	–	–
July	27.9	19.8	30.6	17.5	32.2	16.7	85	70	207	60	19	166	40	–	–
August	27.2	19.5	30.3	17.6	31.7	16.7	86	72	289	93	22	128	31	–	–
September	29.1	18.7	31.5	17.4	32.2	16.7	81	65	268	80	20	179	48	–	–
October	31.3	18.6	33.4	15.3	34.4	13.3	70	47	81	70	7	253	68	–	–
November	32.4	15.6	34.4	12.3	35.6	10.0	42	23	5	36	1	281	81	–	–
December	31.8	14.2	34.2	11.8	35.6	9.4	25	17	< 1	7	< 1	294	84	–	–
Year	31.3	18.5	38.0*	11.0*	39.4	8.9	57	41	1242	93	101	2812	63	–	–
No. of Years	27	27	19	19	19	19	14	17	28	19	8	19	13	–	–

Kano 12°03′N 08°32′E 481 m

Period 1941–70 Bibliography 64, 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.2	12.9	35.2	9.1	37.8	5.0	22	16	< 1	1	< 1	280	75	–	–
February	32.8	15.1	37.2	10.6	38.9	8.3	20	13	< 1	1	< 1	258	75	–	–
March	36.5	19.2	39.8	14.3	40.6	11.7	22	14	2	35	< 1	274	71	–	–
April	38.5	23.2	40.8	18.6	42.2	13.9	36	19	9	31	1	245	67	–	–
May	37.2	24.2	40.4	20.3	41.7	16.7	53	33	71	163	4	275	70	–	–
June	34.3	22.8	37.7	18.9	39.4	16.7	65	44	119	67	9	267	65	–	–
July	30.8	21.3	34.3	18.6	35.6	16.7	76	60	200	78	14	239	58	–	–
August	29.4	20.9	32.4	18.6	33.3	16.7	80	68	303	113	19	195	47	–	–
September	27.3	20.9	34.1	18.7	36.1	16.7	75	58	122	61	11	236	65	–	–
October	32.2	19.5	36.3	15.6	37.8	13.3	53	32	12	31	3	290	81	–	–
November	33.3	16.0	36.2	12.5	37.8	10.6	28	17	< 1	4	< 1	290	84	–	–
December	30.5	13.2	34.2	10.1	36.1	7.8	25	18	0	0	0	289	81	–	–
Year	32.7	19.1	41.0*	8.7*	42.2	5.0	46	33	838	163	61	3138	70	–	–
No. of Years	25	25	19	19	19	19	14	17	29	19	6	17	13	–	–

Katsina 13°01′N 07°41′E 517 m

Period 1949–70 Bibliography 79, 80	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.1	12.0	35.2	7.3	36.7	5.0	20	14	< 1	2	< 1	302	–	–	–
February	32.7	14.1	36.7	8.8	39.4	5.6	16	10	< 1	< 1	< 1	269	–	–	–
March	36.3	19.0	40.2	13.8	41.7	8.9	15	9	< 1	1	< 1	277	–	–	–
April	38.5	23.0	41.2	18.8	42.2	13.3	26	13	5	6	1	226	–	–	–
May	37.9	24.3	40.8	20.3	42.2	19.4	47	26	38	61	3	281	–	–	–
June	35.1	22.9	38.6	18.8	41.1	16.7	58	38	88	46	7	257	–	–	–
July	31.0	19.3	34.9	18.3	37.8	17.8	73	56	202	79	13	236	–	–	–
August	29.0	20.6	32.1	17.7	33.3	13.3	80	68	288	110	17	207	–	–	–
September	31.2	20.7	33.7	18.0	36.1	16.7	73	58	119	70	9	255	–	–	–
October	34.2	19.3	36.2	15.4	37.8	12.8	47	29	10	43	2	284	–	–	–
November	33.1	15.0	35.9	11.7	37.2	9.4	24	17	1	10	< 1	289	–	–	–
December	30.4	12.1	34.2	8.2	36.7	5.0	23	16	0	0	0	291	–	–	–
Year	33.3	18.5	41.4*	6.8*	42.2	5.0	42	29	751	110	52	3174	–	–	–
No. of Years	14	21	14	14	14	14	14	14	21	14	8	7	–	–	–

---

*Average of highest/lowest each year

NIGERIA

Lokoja 07°48′N 06°44′E 44 m

Period 1941–70 Bibliography 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.2	20.8	35.6	15.6	37.2	13.3	72	37	3	45	< 1	228	66	–	–
February	35.2	23.0	37.2	17.8	38.9	15.6	67	35	11	42	1	236	67	–	–
March	35.5	25.0	37.9	20.9	39.4	18.9	68	42	40	63	2	227	60	–	–
April	34.3	24.8	37.0	21.4	38.9	20.6	71	47	79	67	7	199	54	–	–
May	32.5	23.8	35.5	20.9	37.8	20.0	77	54	146	75	10	217	55	–	–
June	31.2	23.1	33.5	20.6	35.0	19.4	78	57	159	114	12	192	46	–	–
July	30.2	22.7	32.2	20.7	32.8	19.4	79	60	180	126	14	164	38	–	–
August	29.7	22.6	32.0	20.8	34.4	19.4	78	60	159	94	18	125	34	–	–
September	30.1	22.5	32.1	20.7	32.8	19.4	81	62	205	97	17	147	40	–	–
October	31.3	22.5	33.1	20.5	33.9	16.7	79	58	119	81	9	210	55	–	–
November	33.0	21.5	34.3	18.7	35.6	16.1	75	47	10	37	1	252	69	–	–
December	32.9	19.9	34.4	15.8	36.1	13.3	74	40	2	15	< 1	256	71	–	–
Year	32.4	22.7	38.1*	14.6*	39.4	13.3	75	50	1113	126	91	2453	55	–	–
No. of Years	24	24	16	16	16	16	14	16	26	16	8	13	7	–	–

Maiduguri 11°51′N 13°05′E 354 m

Period 1941–70 Bibliography 64, 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1000	1600							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.0	12.2	37.2	8.3	39.4	6.1	30	19	0	0	0	296	83	–	–
February	34.4	14.2	38.9	10.0	41.7	7.2	25	15	< 1	7	< 1	278	83	–	–
March	37.8	19.0	41.7	13.3	43.3	10.0	21	13	< 1	10	< 1	279	74	–	–
April	40.4	23.2	42.8	18.3	43.9	12.8	27	17	8	25	2	249	70	–	–
May	39.0	24.8	42.2	20.6	43.9	17.2	44	31	33	54	3	279	70	–	–
June	36.3	23.9	40.0	20.6	42.2	18.3	57	40	70	93	10	261	66	–	–
July	32.5	22.4	36.1	19.4	38.9	17.2	72	59	179	103	13	218	55	–	–
August	30.5	21.8	33.9	19.4	37.2	16.1	78	69	240	117	18	189	46	–	–
September	32.6	21.6	35.6	19.4	38.9	18.3	71	58	93	72	9	233	62	–	–
October	35.9	19.6	37.8	15.0	39.4	12.8	50	34	20	45	3	286	79	–	–
November	35.1	15.4	37.8	11.7	40.0	9.4	32	21	1	8	< 1	290	86	–	–
December	32.3	12.4	36.1	9.4	38.9	6.7	36	23	0	0	0	299	86	–	–
Year	34.9	19.2	43.3*	7.8*	43.9	6.1	45	33	644	117	58	3157	72	–	–
No. of Years	26	26	19	19	19	19	14	17	29	19	7	13	11	–	–

Makurdi 07°41′N 08°37′E 97 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.5	18.5	37.1	12.8	38.3	10.6	55	29	8	44	1	239	66	–	–
February	36.0	21.0	38.1	15.2	38.9	12.2	53	28	5	29	< 1	235	67	–	–
March	36.3	24.2	38.7	19.5	40.0	15.6	65	40	33	55	3	228	60	–	–
April	34.2	24.2	37.2	20.7	38.9	19.4	72	53	107	76	8	189	59	–	–
May	32.2	23.1	35.5	20.4	37.2	17.8	78	63	195	109	10	232	57	–	–
June	30.8	22.2	33.2	19.8	35.0	18.3	81	68	216	88	12	197	47	–	–
July	29.9	22.1	31.9	20.2	32.8	19.4	82	69	169	121	13	157	37	–	–
August	29.6	22.2	31.9	20.3	32.8	19.4	82	70	219	97	18	128	31	–	–
September	29.9	21.9	32.3	19.8	33.3	18.3	83	69	271	117	17	137	39	–	–
October	31.2	21.7	33.4	19.8	34.4	19.4	80	64	137	79	11	204	54	–	–
November	33.0	20.3	34.6	16.2	35.6	12.8	75	50	13	60	1	230	65	–	–
December	33.7	17.3	35.6	12.4	37.2	8.3	63	37	1	17	< 1	244	69	–	–
Year	32.6	21.6	38.8*	11.7*	40.0	8.3	72	53	1374	121	94	2420	54	–	–
No. of Years	23	23	16	16	16	16	14	14	23	16	8	13	11	–	–

*Average of highest/lowest each year

NIGERIA

Minna 09°37′N 06°32′E 260 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.8	20.2	38.2	16.3	40.0	15.0	34	24	2	11	< 1	260	73	–	–
February	36.3	21.7	39.2	17.8	40.6	16.1	32	21	7	39	1	242	74	–	–
March	37.0	23.6	39.5	19.6	41.1	16.1	51	30	14	65	1	257	68	–	–
April	35.2	24.1	38.2	20.6	39.4	19.4	65	44	62	53	5	229	63	–	–
May	32.7	23.1	35.9	20.1	38.9	18.9	75	58	120	75	9	239	62	–	–
June	30.5	21.9	33.5	19.7	35.6	18.9	81	66	175	107	13	212	51	–	–
July	28.8	21.5	31.3	19.3	32.8	18.9	86	72	228	140	17	144	33	–	–
August	28.2	21.5	31.2	19.4	31.7	18.3	86	73	269	113	21	113	29	–	–
September	29.4	21.3	32.1	19.4	33.3	18.9	84	70	296	100	21	166	43	–	–
October	31.5	21.1	33.9	19.1	35.6	17.2	77	62	129	52	12	256	68	–	–
November	34.1	19.5	36.3	16.4	37.8	15.0	56	39	7	26	1	275	81	–	–
December	34.8	19.1	37.1	15.5	38.3	12.8	37	28	3	38	< 1	279	80	–	–
Year	32.8	21.6	39.9*	15.1*	41.1	12.8	64	49	1312	140	101	2672	60	–	–
No. of Years	24	24	16	16	16	16	14	14	24	16	9	13	11	–	–

Nguru 12°53′N 10°28′E 344 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.9	12.8	36.3	7.8	38.3	5.0	20	13	0	0	0	289	–	–	–
February	33.7	14.8	38.4	9.2	41.1	5.6	18	12	0	0	0	265	–	–	–
March	37.5	18.6	41.4	12.8	43.3	9.4	15	10	0	0	0	272	–	–	–
April	40.0	22.3	42.7	16.2	43.9	12.2	22	13	2	15	< 1	226	–	–	–
May	39.8	24.2	42.6	19.8	43.3	16.1	41	22	27	29	3	273	–	–	–
June	37.0	24.0	40.8	20.3	42.8	17.2	53	36	65	48	6	278	–	–	–
July	32.8	22.5	37.0	19.4	40.0	18.3	68	52	140	65	11	260	–	–	–
August	30.7	21.9	34.6	19.1	41.7	17.8	77	64	210	86	15	228	–	–	–
September	32.8	22.2	35.9	19.2	37.8	17.2	69	54	83	79	7	267	–	–	–
October	36.2	19.8	38.4	15.1	39.4	11.7	41	30	9	26	1	292	–	–	–
November	34.6	16.5	37.7	12.4	38.9	9.4	22	17	2	24	< 1	278	–	–	–
December	31.5	13.3	35.5	9.4	37.8	5.0	22	15	0	0	0	295	–	–	–
Year	34.8	19.4	43.0*	7.1*	43.9	5.0	39	28	538	86	43	3223	–	–	–
No. of Years	23	23	16	16	16	16	14	14	23	16	8	8	–	–	–

Port Harcourt 04°51′N 07°01′E 18 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	21.1	33.7	16.6	34.4	13.9	83	60	31	47	4	153	45	–	–
February	32.6	21.6	34.7	17.7	36.1	15.6	81	58	65	64	6	158	47	–	–
March	32.3	22.5	34.6	20.6	36.1	18.9	83	68	136	130	11	142	37	–	–
April	31.7	22.6	33.9	20.6	35.6	17.8	82	71	209	125	15	143	39	–	–
May	30.9	22.7	33.6	20.5	34.4	20.0	82	75	238	124	17	148	39	–	–
June	29.3	22.3	31.9	19.9	32.8	17.8	86	80	271	122	20	107	24	–	–
July	28.1	21.9	30.6	19.8	31.7	17.8	87	82	269	129	23	70	17	–	–
August	28.1	21.8	30.2	19.4	32.2	16.1	86	80	289	101	23	70	20	–	–
September	28.6	22.0	31.2	20.4	32.2	19.4	87	84	423	119	23	63	17	–	–
October	29.6	21.9	32.1	20.3	32.8	18.9	86	79	295	105	21	107	28	–	–
November	30.8	21.9	32.9	20.2	33.9	18.9	85	74	107	77	11	138	38	–	–
December	31.4	20.9	33.5	17.4	35.0	13.9	82	61	30	63	3	157	46	–	–
Year	30.4	21.9	35.1*	15.5*	36.1	13.9	84	73	2462	130	177	1456	33	–	–
No. of Years	22	22	16	16	16	16	14	14	22	16	7	12	11	–	–

*Average of highest/lowest each year

Potiskum 11°42′N 11°02′E 414 m

Period 1947–70 Bibliography 79, 80, 81, 82	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.4	11.4	36.6	6.7	39.4	2.8	21	12	< 1	< 1	< 1	–	–	–	–
February	33.9	13.7	38.4	8.7	41.1	6.7	17	9	0	0	0	–	–	–	–
March	37.5	18.3	41.0	13.1	42.8	8.9	17	10	< 1	5	< 1	–	–	–	–
April	39.2	22.8	41.6	17.0	42.8	13.3	28	13	14	41	2	–	–	–	–
May	37.9	24.5	41.0	20.3	42.2	17.8	47	25	42	38	6	–	–	–	–
June	34.6	23.2	38.7	19.4	42.2	17.8	60	38	108	86	9	–	–	–	–
July	31.2	21.8	35.0	19.2	37.8	17.8	74	53	184	100	13	–	–	–	–
August	29.7	21.3	32.6	19.1	34.4	17.2	80	61	276	90	17	–	–	–	–
September	31.4	21.3	34.0	19.1	36.1	17.8	73	53	127	59	9	–	–	–	–
October	34.5	19.2	36.7	14.4	38.3	11.7	53	32	19	33	3	–	–	–	–
November	34.1	14.9	37.0	10.9	38.9	8.3	26	16	< 1	1	< 1	–	–	–	–
December	31.9	11.8	35.7	7.9	38.9	5.0	24	14	0	0	0	–	–	–	–
Year	33.9	18.7	41.8*	6.2*	42.8	2.8	43	28	770	100	59	–	–	–	–
No. of Years	23	23	16	16	16	16	14	16	23	16	7	–	–	–	–

Sokoto 13°01′N 05°15′E 302 m

Period 1941–70 Bibliography 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.7	15.2	37.2	11.1	40.0	8.3	19	12	< 1	3	< 1	287	82	–	–
February	35.4	17.3	38.9	12.8	42.2	10.0	15	9	0	0	0	269	81	–	–
March	38.5	20.9	41.7	17.2	42.8	14.4	18	11	1	7	< 1	280	74	–	–
April	40.0	24.9	42.8	20.6	43.9	18.3	33	18	10	89	1	255	68	–	–
May	38.6	25.7	41.7	20.6	43.3	19.4	50	30	40	53	4	271	70	–	–
June	35.5	23.9	39.4	19.4	42.2	18.3	59	40	93	62	9	279	72	–	–
July	32.0	22.2	35.6	18.9	38.9	18.3	75	57	183	87	13	242	58	–	–
August	29.9	21.6	33.3	18.9	34.4	17.8	81	67	247	147	17	191	48	–	–
September	31.6	21.6	35.0	18.9	36.1	17.2	75	59	143	69	11	233	65	–	–
October	35.2	20.9	37.2	17.2	38.9	15.0	56	35	17	37	3	293	82	–	–
November	35.2	17.8	37.8	14.4	39.4	12.2	27	16	< 1	1	< 1	281	86	–	–
December	32.8	15.3	36.1	12.2	38.3	9.4	20	13	0	0	0	307	85	–	–
Year	34.7	20.6	42.8*	10.6*	43.9	8.3	44	31	734	147	58	3188	73	–	–
No. of Years	21	22	16	16	16	16	14	14	27	15	6	13	11	–	–

Warri 05°31′N 05°44′E 4 m

Period 1941–70 Bibliography 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.0	21.8	33.8	17.6	36.1	11.1	89	63	31	58	2	–	40	–	–
February	33.0	22.7	34.7	18.5	35.6	14.4	86	61	57	71	6	–	45	–	–
March	33.0	23.4	34.8	20.9	35.6	20.0	83	69	137	92	10	–	37	–	–
April	32.7	23.4	34.5	20.9	35.0	20.0	81	71	224	121	15	–	42	–	–
May	32.0	23.2	34.2	20.9	35.0	20.6	82	75	265	113	15	–	41	–	–
June	29.8	22.6	32.5	20.4	33.0	18.9	86	81	371	101	22	–	28	–	–
July	28.3	22.4	30.9	20.3	32.2	18.3	88	82	489	171	24	–	21	–	–
August	28.5	22.2	30.5	19.7	31.7	15.6	85	78	308	237	24	–	27	–	–
September	29.0	22.5	31.5	20.7	32.8	20.0	86	83	476	170	25	–	19	–	–
October	30.6	22.5	33.2	20.7	33.9	20.0	85	79	327	135	22	–	34	–	–
November	32.1	22.7	34.1	20.6	35.0	18.3	83	71	108	66	8	–	49	–	–
December	32.2	22.0	34.1	18.4	35.0	14.4	87	62	50	74	4	–	49	–	–
Year	31.1	22.6	35.1*	15.8*	36.1	11.1	85	73	2843	237	177	–	36	–	–
No. of Years	24	24	16	16	16	16	14	14	27	16	9	–	5	–	–

*Average of highest/lowest each year

Yelwa 10°53′N 04°45′E 244 m

Period 1947–70 Bibliography 79, 80, 81	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.6	15.6	39.1	10.8	40.6	8.3	32	15	< 1	8	< 1	–	–	–	–
February	37.5	18.7	40.4	13.3	41.7	11.7	29	14	3	28	< 1	–	–	–	–
March	39.0	23.0	41.6	17.6	42.8	15.0	43	20	4	17	< 1	–	–	–	–
April	38.1	25.9	41.2	21.6	42.2	17.2	57	32	25	43	4	–	–	–	–
May	35.6	24.9	39.2	20.9	40.6	19.4	67	47	107	73	9	–	–	–	–
June	32.5	23.1	35.9	20.2	37.2	19.4	75	58	150	60	10	–	–	–	–
July	30.3	22.3	33.7	19.9	36.1	18.9	83	67	203	131	14	–	–	–	–
August	29.7	22.3	32.6	19.4	33.9	18.9	84	71	232	76	19	–	–	–	–
September	30.6	21.9	33.2	19.8	34.4	18.9	83	67	232	116	17	–	–	–	–
October	32.9	21.7	35.7	18.4	37.2	14.4	75	56	73	63	7	–	–	–	–
November	35.9	17.4	38.1	12.7	39.4	10.6	55	29	1	11	< 1	–	–	–	–
December	35.6	14.6	38.0	10.5	39.4	7.8	38	19	< 1	1	< 1	–	–	–	–
Year	34.4	20.9	41.8*	9.7*	42.8	7.8	60	41	1030	131	80	–	–	–	–
No. of Years	23	23	16	16	16	16	14	14	22	16	7	–	–	–	–

Yola 09°14′N 12°28′E 174 m

Period 1941–70 Bibliography 79, 80, 81, 82, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1000	1600							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.1	16.7	38.8	13.6	41.1	11.7	25	16	< 1	4	< 1	287	81	–	–
February	37.2	19.4	40.4	15.3	41.7	12.2	23	15	< 1	< 1	< 1	271	80	–	–
March	39.4	23.5	41.9	19.3	42.8	16.1	33	19	8	86	< 1	262	69	–	–
April	38.5	25.4	41.6	21.3	42.8	18.9	47	31	47	61	6	225	63	–	–
May	35.7	24.5	40.5	20.4	42.2	19.4	63	45	130	126	10	257	67	–	–
June	32.2	22.8	35.9	20.1	39.4	18.9	74	60	155	86	13	231	60	–	–
July	30.9	22.3	33.6	20.1	36.7	19.4	77	65	138	75	14	201	50	–	–
August	30.4	22.1	33.1	20.1	34.4	19.4	77	68	187	88	16	172	43	–	–
September	30.7	21.9	33.4	19.8	34.4	18.9	78	68	224	103	15	189	51	–	–
October	33.4	22.1	36.4	19.0	37.8	16.1	69	55	55	36	6	268	72	–	–
November	35.8	18.8	38.0	14.8	39.4	11.1	45	29	3	15	< 1	289	84	–	–
December	35.1	16.1	37.6	13.5	38.9	11.1	30	20	< 1	14	< 1	302	85	–	–
Year	34.5	21.3	42.1*	12.6*	42.8	11.1	53	41	950	126	80	2954	67	–	–
No. of Years	22	22	16	16	16	16	14	14	29	16	7	12	11	–	–

---

*Average of highest/lowest each year

RWANDA

Kigali 01°57′S 30°04′E 1545 m

Period 1941–61 Bibliography 20, 21, 22	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	26.2	15.1	29.5	12.8	31.0	10.8	–	–	96	80	10	–	–	–	–
February	26.3	15.3	29.2	13.0	30.9	11.4	–	–	82	53	10	–	–	–	–
March	26.0	15.3	28.8	13.2	30.4	12.2	–	–	103	66	13	–	–	–	–
April	25.1	15.1	27.7	13.3	28.5	10.8	–	–	177	89	17	–	–	–	–
May	24.9	15.4	27.0	13.8	27.9	12.8	–	–	132	67	14	–	–	–	–
June	25.4	14.7	27.6	12.6	28.1	11.5	–	–	24	55	3	–	–	–	–
July	26.1	14.4	28.2	11.7	29.1	9.6	–	–	5	27	1	–	–	–	–
August	27.2	15.5	29.7	13.4	30.8	12.6	–	–	25	46	4	–	–	–	–
September	27.2	15.3	30.4	13.3	31.8	12.5	–	–	60	53	9	–	–	–	–
October	26.6	15.3	29.5	13.4	30.6	12.8	–	–	108	70	14	–	–	–	–
November	25.7	15.0	28.1	13.1	29.7	11.6	–	–	107	55	15	–	–	–	–
December	25.5	15.1	28.0	13.3	29.9	12.0	–	–	88	73	12	–	–	–	–
Year	26.0	15.1	30.7*	11.4*	31.8	9.6	–	–	1007	89	122	–	–	–	–
No. of Years	9	9	9	9	9	9	–	–	21	21	21	–	–	–	–

*Average of highest/lowest each year

SENEGAL

Dakar 14°44′N 17°30′W 22 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.0	17.4	31.0	15.0	35.2	12.3	83	55	1	4	< 1	249	–	–	< 1
February	24.6	17.0	30.6	14.8	37.5	12.2	88	60	2	12	< 1	244	–	–	1
March	25.0	17.4	31.2	15.9	37.5	14.8	90	63	0	0	0	302	–	–	0
April	25.3	18.4	30.0	16.6	37.6	14.8	90	67	< 1	1	< 1	303	–	–	< 1
May	26.3	20.2	29.6	18.1	33.8	16.5	89	70	1	15	< 1	298	–	–	< 1
June	28.9	23.1	31.4	20.8	34.8	18.8	86	69	9	30	2	257	–	–	< 1
July	30.0	24.5	31.7	21.4	33.5	20.0	83	71	96	69	9	228	–	–	1
August	30.1	24.6	31.6	21.3	32.7	19.7	86	75	227	158	15	201	–	–	1
September	30.4	24.4	32.1	20.9	33.4	19.8	88	75	174	144	13	218	–	–	1
October	30.4	24.3	32.5	21.3	34.8	20.2	89	72	68	95	5	254	–	–	1
November	29.0	22.5	32.9	19.5	36.5	16.8	86	61	2	22	< 1	255	–	–	< 1
December	26.5	19.6	31.2	15.9	35.9	13.0	76	52	3	23	1	242	–	–	1
Year	27.6	21.1	35.4*	14.0*	37.6	12.2	86	66	583	158	45	3051	–	–	6
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

Kaolack 14°08′N 16°04′W 6 m

Period 1942–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.2	15.4	37.7	11.4	40.2	7.9	53	24	< 1	2	< 1	293	–	–	< 1
February	36.3	17.0	40.4	13.1	43.3	9.8	55	23	1	11	< 1	279	–	–	0
March	38.7	18.2	42.2	15.0	45.0	13.3	60	22	0	0	0	327	–	–	0
April	39.5	19.5	43.1	17.0	44.9	14.7	66	26	1	1	< 1	326	–	–	0
May	39.1	21.4	43.8	18.4	45.6	16.2	75	36	6	67	1	328	–	–	0
June	36.3	23.5	41.4	20.7	45.1	16.8	84	52	63	82	6	287	–	–	< 1
July	33.3	24.0	36.9	20.9	39.4	19.8	89	67	157	107	13	269	–	–	< 1
August	31.9	23.7	34.8	20.8	37.1	19.0	94	75	283	215	18	227	–	–	< 1
September	32.5	23.4	35.6	20.7	37.3	18.2	95	72	216	123	16	231	–	–	< 1
October	34.3	23.1	37.5	20.0	41.0	18.3	92	61	77	76	7	274	–	–	< 1
November	35.9	19.8	39.1	16.0	41.8	14.0	80	37	7	69	1	291	–	–	< 1
December	33.6	16.3	37.6	12.0	39.9	8.4	60	27	1	16	< 1	276	–	–	1
Year	35.5	20.4	44.0*	10.6*	45.6	7.9	75	43	812	215	62	3408	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	15	–	–	10

Linguère 15°23′N 15°07′W 21 m

Period 1941–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.6	14.7	37.8	10.1	40.4	7.0	44	21	< 1	1	< 1	246	–	–	< 1
February	35.8	16.6	40.3	11.4	43.0	6.0	46	21	1	19	< 1	255	–	–	1
March	38.6	18.0	42.1	13.8	45.1	11.5	50	21	0	0	0	287	–	–	0
April	40.0	19.6	43.4	16.0	44.8	14.0	56	25	< 1	5	< 1	268	–	–	< 1
May	41.1	21.8	44.8	18.0	46.4	15.3	65	31	3	21	1	239	–	–	< 1
June	39.1	23.3	44.2	19.9	45.7	15.6	77	44	30	70	4	211	–	–	5
July	35.1	23.6	39.4	19.3	41.8	12.1	86	61	97	66	9	187	–	–	3
August	33.3	23.4	36.4	20.4	39.9	19.2	92	69	177	107	13	185	–	–	1
September	33.5	23.0	37.1	19.9	41.7	18.4	94	68	132	91	12	186	–	–	1
October	36.1	21.8	40.0	17.7	44.5	14.5	89	50	51	70	5	228	–	–	1
November	36.8	18.3	39.9	14.2	42.0	10.5	70	30	3	30	1	227	–	–	1
December	33.3	15.2	37.8	10.6	41.0	5.4	52	25	2	9	1	227	–	–	< 1
Year	36.4	19.9	45.1*	9.2*	46.4	5.4	68	39	496	107	46	2746	–	–	13
No. of Years	22	22	22	22	22	22	22	18	30	18	22	9	–	–	5

*Average of highest/lowest each year

SENEGAL

Matam 15°38′N 13°15′W 15 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.8	14.0	36.9	9.1	40.0	6.0	52	25	< 1	1	< 1	277	–	–	0
February	35.6	16.0	40.0	11.3	44.0	8.0	50	23	3	17	1	259	–	–	< 1
March	39.0	18.3	42.4	13.8	45.8	10.9	44	19	0	0	0	312	–	–	0
April	41.0	21.5	44.3	17.3	46.3	13.7	40	19	2	36	< 1	312	–	–	0
May	42.2	25.4	45.3	21.7	47.2	14.6	41	23	3	11	1	304	–	–	< 1
June	40.1	26.2	44.8	21.7	46.3	19.4	59	38	40	66	5	281	–	–	< 1
July	35.5	24.6	40.1	20.4	42.3	18.6	78	59	123	98	9	273	–	–	< 1
August	33.3	23.8	37.0	20.4	42.0	18.8	87	69	159	100	11	238	–	–	< 1
September	33.4	23.9	37.0	20.6	41.2	19.4	87	68	146	99	10	245	–	–	1
October	35.6	23.6	39.0	20.0	42.0	17.0	80	52	35	57	3	274	–	–	0
November	36.0	19.5	39.3	15.1	41.5	12.2	69	32	3	30	< 1	272	–	–	< 1
December	32.6	15.0	37.0	10.0	39.4	7.2	59	28	2	21	< 1	269	–	–	< 1
Year	36.4	21.0	45.5*	8.6*	47.2	6.0	62	38	516	100	40	3316	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	16	–	–	11

St. Louis 16°02′N 16°28′W 2 m

Period 1943–70 Bibliography 11, 13, 14	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.6	15.5	35.0	11.9	39.3	8.6	67	37	2	7	< 1	240	–	–	1
February	30.4	16.3	37.1	13.1	41.2	10.9	74	40	2	8	1	240	–	–	1
March	31.1	16.8	39.4	14.2	43.2	12.0	80	43	0	0	0	297	–	–	< 1
April	29.8	17.5	40.0	15.4	44.7	14.8	85	53	0	3	0	303	–	–	< 1
May	28.5	19.4	38.9	16.8	45.6	15.0	88	65	1	7	< 1	299	–	–	< 1
June	29.4	22.4	37.3	19.4	45.4	16.9	88	69	9	30	2	250	–	–	1
July	30.1	24.4	33.2	21.7	35.8	20.2	88	73	44	59	5	247	–	–	< 1
August	30.7	24.8	33.5	21.1	38.0	20.0	90	76	129	107	9	235	–	–	< 1
September	31.5	24.9	35.9	21.0	41.6	19.4	91	74	97	61	9	231	–	–	< 1
October	32.1	23.8	38.1	20.5	42.0	16.3	88	62	46	115	3	256	–	–	< 1
November	31.8	20.4	37.3	17.1	40.7	14.1	80	45	< 1	20	< 1	254	–	–	1
December	29.7	16.6	35.0	12.8	37.7	9.2	68	36	3	25	< 1	232	–	–	1
Year	30.4	20.2	41.8*	10.9*	45.6	8.6	82	56	333	115	29	3084	–	–	5
No. of Years	17	17	17	17	17	17	17	13	17	17	17	17	–	–	12

Tambacounda 13°46′N 13°41′W 44 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.5	15.3	38.0	10.5	40.3	3.0	45	17	< 1	< 1	< 1	238	–	–	1
February	37.0	18.3	40.4	13.5	42.1	8.1	39	17	2	23	1	238	–	–	1
March	39.4	20.9	42.3	16.3	44.8	14.6	38	17	0	0	0	297	–	–	0
April	40.5	23.2	43.2	18.8	44.8	14.2	46	21	3	37	< 1	282	–	–	< 1
May	40.1	25.4	43.2	21.8	45.2	19.7	56	33	15	81	2	268	–	–	< 1
June	36.0	24.2	41.0	20.2	44.0	17.8	78	54	107	57	10	202	–	–	1
July	32.0	22.7	35.5	19.8	38.8	18.0	92	71	204	129	15	177	–	–	1
August	31.0	22.4	33.5	19.8	36.6	18.1	95	76	281	160	19	156	–	–	1
September	31.7	22.0	34.3	19.7	36.7	18.0	97	74	220	96	17	181	–	–	1
October	33.9	21.8	37.1	18.8	40.0	15.0	95	61	81	60	7	224	–	–	1
November	35.9	18.3	38.5	13.4	40.2	10.4	88	36	2	14	1	240	–	–	< 1
December	34.0	15.2	37.5	11.0	40.0	8.4	60	21	< 1	0	< 1	208	–	–	1
Year	35.5	20.8	43.7*	9.6*	45.2	3.0	69	41	915	160	72	2711	–	–	8
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

---

*Average of highest/lowest each year

SENEGAL

Ziguinchor 12°35′N 16°16′W 10 m

Period 1941–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0500	1100							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.3	15.6	35.4	12.2	38.0	8.0	79	42	< 1	1	< 1	239	–	–	1
February	34.6	16.7	38.4	13.7	42.1	9.4	80	39	< 1	3	< 1	235	–	–	1
March	36.8	17.5	40.3	15.0	42.7	13.0	85	39	0	0	0	299	–	–	0
April	36.8	18.9	40.3	16.4	42.0	14.5	87	42	< 1	< 1	< 1	298	–	–	< 1
May	35.5	21.1	39.5	18.6	43.0	17.2	90	52	7	33	2	289	–	–	< 1
June	33.4	23.0	37.1	20.2	38.8	18.2	92	64	127	115	11	197	–	–	< 1
July	30.9	22.9	33.9	20.4	36.0	19.2	95	76	352	178	21	160	–	–	1
August	29.9	22.8	32.8	20.6	35.0	19.6	96	81	501	177	25	128	–	–	2
September	30.8	22.6	33.5	20.6	34.3	19.1	97	77	409	124	22	161	–	–	1
October	32.3	22.7	34.6	20.3	36.9	18.2	96	71	150	71	12	211	–	–	1
November	32.9	20.9	35.1	17.3	36.3	14.0	93	58	10	34	2	245	–	–	1
December	31.5	16.9	34.5	13.2	36.7	10.2	82	45	1	19	< 1	214	–	–	3
Year	33.1	20.1	40.8*	11.8*	43.0	8.0	89	57	1557	178	95	2676	–	–	11
No. of Years	22	22	22	22	22	22	22	18	22	30	22	18	–	–	13

*Average of highest/lowest each year

SIERRA LEONE

Freetown 08°30′N 13°14′W 11 m

Period 1941–67 Bibliography 85, 86, 87	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.2	24.2	31.3	21.7	32.8	20.0	82	70	11	47	1	245	–	–	–
February	29.6	24.4	32.1	22.5	33.9	20.0	80	69	8	98	0	225	–	–	–
March	30.0	24.8	33.0	22.6	35.0	21.1	81	71	18	51	2	244	–	–	–
April	30.3	25.2	33.3	22.3	36.1	21.1	81	72	59	62	6	215	–	–	–
May	30.2	24.7	32.7	21.7	34.4	20.6	84	75	160	88	15	193	–	–	–
June	29.6	23.7	31.7	21.1	33.3	19.4	87	78	351	188	23	154	–	–	–
July	28.2	23.1	30.7	21.0	32.2	20.0	90	81	845	263	27	90	–	–	–
August	27.7	23.1	30.1	21.3	31.1	20.0	90	82	835	299	27	73	–	–	–
September	28.4	23.3	30.6	21.4	32.8	20.6	90	81	566	228	25	121	–	–	–
October	29.2	23.4	30.9	21.2	32.8	19.4	88	77	262	276	22	192	–	–	–
November	29.4	24.0	31.0	21.3	34.4	18.3	86	76	123	89	12	202	–	–	–
December	29.2	24.4	30.9	21.8	31.7	19.4	83	72	41	163	4	223	–	–	–
Year	29.3	24.0	33.8*	20.3	36.1	18.3	85	75	3279	299	164	2177	–	–	–
No. of Years	27	27	27	27	27	27	27	22	27	27	27	27	–	–	–

Musaia 09°45′N 11°34′W 349 m

Period 1948–67 Bibliography 85, 86, 87	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of davs with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.9	13.6	35.3	7.6	37.2	5.0	86	37	9	67	1	234	–	–	–
February	34.8	15.9	37.1	10.1	38.9	4.4	78	33	11	37	1	213	–	–	–
March	35.6	19.3	37.6	14.7	40.0	10.0	78	34	36	74	3	235	–	–	–
April	34.7	20.9	37.1	17.6	38.3	8.9	77	44	76	65	6	222	–	–	–
May	32.6	21.2	35.1	18.1	37.2	12.2	85	58	185	74	12	193	–	–	–
June	30.4	20.4	33.1	17.7	35.6	12.8	88	69	268	71	18	111	–	–	–
July	29.2	20.4	31.8	18.3	33.9	15.0	89	71	296	127	18	103	–	–	–
August	28.4	20.7	30.9	18.6	35.0	15.6	89	73	314	94	21	98	–	–	–
September	29.8	20.6	32.1	18.4	34.4	15.6	89	71	384	94	22	127	–	–	–
October	30.6	20.0	32.4	17.9	33.9	14.4	89	65	294	99	20	172	–	–	–
November	30.7	19.0	32.7	14.3	35.6	9.4	91	59	112	72	7	179	–	–	–
December	31.3	15.1	33.7	9.3	37.2	5.0	89	46	10	42	1	205	–	–	–
Year	31.7	18.9	37.8*	7.1*	40.0	4.4	86	55	1995	127	130	2092	–	–	–
No. of Years	19	19	20	19	20	19	20	19	20	20	20	14	–	–	–

Segbwema (formerly Daru) 07°59′N 10°52′W 185 m

Period 1941–67 Bibliography 85, 86, 87	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of davs with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.3	19.1	33.7	13.7	36.1	8.9	95	53	11	32	1	191	–	–	–
February	33.6	20.2	36.1	16.3	38.9	12.8	92	47	34	47	4	187	–	–	–
March	33.7	21.4	35.9	19.3	38.3	17.8	90	52	101	64	8	206	–	–	–
April	32.8	21.9	35.1	19.8	37.8	16.1	90	59	161	101	12	174	–	–	–
May	32.2	22.2	34.4	20.3	36.1	18.9	91	65	265	134	18	173	–	–	–
June	30.7	21.9	33.3	19.2	35.6	18.9	93	71	299	94	22	133	–	–	–
July	28.9	21.6	31.8	19.9	35.0	17.8	94	76	299	111	24	93	–	–	–
August	28.1	21.6	31.0	20.1	33.3	18.9	95	78	374	156	26	75	–	–	–
September	29.9	21.7	32.5	20.0	34.4	17.8	94	74	415	157	26	107	–	–	–
October	31.0	21.5	32.8	19.7	35.6	17.8	92	69	338	197	24	166	–	–	–
November	31.1	21.6	32.7	19.4	36.1	16.1	93	67	192	144	15	177	–	–	–
December	30.4	20.3	32.3	15.1	35.0	10.0	95	62	56	53	5	178	–	–	–
Year	31.1	21.3	36.4*	12.9*	38.9	8.9	93	64	2545	197	185	1860	–	–	–
No. of Years	25	25	25	25	25	25	24	22	27	27	27	16	–	–	–

*Average of highest/lowest each year

SOMALIA

Bardera 02°25′N 42°22′E 118 m

Period 1943–60 Bibliography 89	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	37.2	22.4	39.2	19.7	40.0	16.7	–	–	10	25	1	–	–	–	–
February	38.1	22.8	40.4	20.3	41.7	19.4	–	–	2	10	< 1	–	–	–	–
March	38.8	23.5	40.7	21.3	42.2	18.2	–	–	22	45	3	–	–	–	–
April	36.8	23.6	39.7	21.8	41.7	20.4	–	–	87	81	8	–	–	–	–
May	34.9	23.2	36.2	20.8	36.7	20.1	–	–	55	38	5	–	–	–	–
June	34.0	22.1	35.5	19.8	36.6	18.6	–	–	8	16	2	–	–	–	–
July	32.5	21.4	34.6	19.7	35.6	18.6	–	–	11	14	3	–	–	–	–
August	33.1	21.8	35.7	19.3	37.2	18.5	–	–	4	26	1	–	–	–	–
September	34.5	22.1	37.2	20.2	38.9	18.9	–	–	2	2	< 1	–	–	–	–
October	35.0	22.3	38.0	21.1	40.0	20.4	–	–	39	76	4	–	–	–	–
November	35.1	22.0	37.4	20.9	41.1	20.4	–	–	64	66	7	–	–	–	–
December	36.0	22.7	38.4	20.1	40.0	19.0	–	–	21	31	4	–	–	–	–
Year	35.5	22.5	41.1*	18.7*	42.2	16.7	–	–	325	81	38	–	–	–	–
No. of Years	13	13	6	6	6	6	–	–	16	8	13	–	–	–	–

Belet Uen 04°44′N 45°12′E 192 m

Period 1943–58 Bibliography 89	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.2	22.2	35.8	19.4	36.7	18.0	–	–	< 1	–	< 1	–	–	–	–
February	34.9	22.0	36.6	19.9	37.2	18.3	–	–	< 1	–	< 1	–	–	–	–
March	36.6	23.7	38.3	20.8	38.9	20.0	–	–	2	–	< 1	–	–	–	–
April	36.5	24.3	37.9	22.0	38.3	21.0	–	–	32	–	4	–	–	–	–
May	34.7	23.7	36.4	21.4	37.8	20.5	–	–	44	–	5	–	–	–	–
June	34.3	22.6	36.0	20.4	37.2	18.9	–	–	2	–	< 1	–	–	–	–
July	32.6	21.9	35.0	20.2	35.6	20.0	–	–	2	–	1	–	–	–	–
August	33.5	21.6	35.9	20.1	37.2	20.0	–	–	4	–	< 1	–	–	–	–
September	35.0	22.5	36.8	20.6	37.2	19.6	–	–	3	–	< 1	–	–	–	–
October	34.1	22.7	36.4	20.5	36.7	18.3	–	–	39	–	4	–	–	–	–
November	34.3	22.1	35.2	20.1	36.3	18.8	–	–	17	–	2	–	–	–	–
December	34.2	22.7	35.4	20.4	36.4	18.9	–	–	6	–	1	–	–	–	–
Year	34.6	22.7	38.4*	18.8*	38.9	18.0	–	–	151	–	17	–	–	–	–
No. of Years	13	13	6	6	6	6	–	–	13	–	12	–	–	–	–

Bender Cassim (Bosaso) 11°17′N 49°11′E 6 m

Period 1942–46 1953–58 Bibliography 89	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.3	20.4	30.2	17.4	31.5	15.0	–	–	< 1	–	< 1	–	–	–	–
February	28.7	20.0	31.2	17.5	34.8	16.0	–	–	0	–	0	–	–	–	–
March	30.5	21.5	34.8	18.5	37.3	15.6	–	–	0	–	0	–	–	–	–
April	33.5	23.7	37.8	21.1	39.5	18.0	–	–	3	–	< 1	–	–	–	–
May	35.9	25.4	40.6	22.4	42.9	19.0	–	–	2	–	< 1	–	–	–	–
June	40.8	29.8	44.0	26.2	45.0	22.0	–	–	< 1	–	< 1	–	–	–	–
July	40.8	30.7	42.9	28.4	44.0	26.0	–	–	0	–	0	–	–	–	–
August	40.6	29.7	43.2	27.3	45.0	26.0	–	–	0	–	0	–	–	–	–
September	38.1	27.8	42.7	24.7	43.5	21.3	–	–	0	–	0	–	–	–	–
October	31.6	23.0	37.6	19.7	39.3	17.5	–	–	2	–	< 1	–	–	–	–
November	28.8	20.5	31.5	18.8	33.5	15.0	–	–	5	–	1	–	–	–	–
December	28.3	20.7	29.4	17.7	30.4	16.2	–	–	4	–	< 1	–	–	–	–
Year	33.8	24.4	44.2*	16.0*	45.0	15.0	–	–	16	–	1	–	–	–	–
No. of Years	10	10	6	6	6	6	–	–	10	–	10	–	–	–	–

*Average of highest/lowest each year

SOMALIA

Berbera 10°26′N 45°02′E 14 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1944–49 Bibliography 88	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	27.9	21.3	29.0	16.9	30.6	15.6	–	–	1	–	–	–	–	–	–
February	29.2	21.6	30.4	19.3	31.7	18.3	–	–	< 1	–	–	–	–	–	–
March	30.7	23.3	32.0	20.9	32.8	20.0	–	–	1	–	–	–	–	–	–
April	31.0	25.2	34.1	22.2	36.1	20.6	–	–	14	–	–	–	–	–	–
May	35.7	27.7	41.9	24.7	42.8	23.3	–	–	2	–	–	–	–	–	–
June	42.8	31.0	45.4	27.2	46.1	25.0	–	–	4	–	–	–	–	–	–
July	42.9	31.8	45.0	29.9	46.1	26.7	–	–	0	–	–	–	–	–	–
August	41.9	31.1	44.1	27.7	45.6	25.0	–	–	2	–	–	–	–	–	–
September	39.7	29.3	43.6	25.2	44.4	23.3	–	–	3	–	–	–	–	–	–
October	33.1	24.0	36.0	21.0	38.3	20.0	–	–	0	–	–	–	–	–	–
November	30.0	22.2	32.3	19.9	33.3	19.4	–	–	0	–	–	–	–	–	–
December	28.6	21.6	30.0	18.0	30.6	17.2	–	–	11	–	–	–	–	–	–
Year	34.4	25.8	45.4*	16.9*	46.1	15.6	–	–	38	–	–	–	–	–	–
No. of Years	5	5	5	5	5	5	–	–	6	–	–	–	–	–	–

Burao 09°31′N 45°34′E 1045 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1944–49 Bibliography 88	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	27.4	12.0	30.3	7.9	32.2	6.7	–	–	< 1	–	–	–	–	–	–
February	29.6	13.3	31.4	10.1	32.2	7.8	–	–	< 1	–	–	–	–	–	–
March	30.9	15.0	33.3	11.7	33.9	11.1	–	–	5	–	–	–	–	–	–
April	31.1	17.6	33.6	14.3	33.9	13.3	–	–	24	–	–	–	–	–	–
May	32.3	18.8	36.1	15.4	37.2	13.9	–	–	37	–	–	–	–	–	–
June	32.2	19.8	35.4	17.8	37.8	17.2	–	–	17	–	–	–	–	–	–
July	31.8	19.8	34.6	17.7	36.7	16.7	–	–	6	–	–	–	–	–	–
August	31.4	19.7	34.4	18.4	35.6	17.8	–	–	17	–	–	–	–	–	–
September	32.3	18.9	34.4	16.7	35.0	15.6	–	–	32	–	–	–	–	–	–
October	30.7	15.3	33.4	10.2	34.4	7.8	–	–	16	–	–	–	–	–	–
November	27.8	13.2	30.1	8.7	30.6	7.2	–	–	4	–	–	–	–	–	–
December	27.3	11.9	30.3	7.9	31.7	6.7	–	–	6	–	–	–	–	–	–
Year	30.4	16.3	36.7*	7.1*	37.8	6.7	–	–	164	–	–	–	–	–	–
No. of Years	5	5	5	5	5	5	–	–	6	–	–	–	–	–	–

Galcaio (Galkayu) 06°46′N 47°26′E 240 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1943–58 Bibliography 89	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	32.4	17.7	33.7	15.5	35.0	14.5	–	–	0	–	0	–	–	–	–
February	33.1	18.3	35.0	15.5	35.6	13.5	–	–	1	–	< 1	–	–	–	–
March	34.7	20.2	36.1	16.9	37.0	13.0	–	–	< 1	–	< 1	–	–	–	–
April	35.1	22.3	36.5	20.2	37.0	19.0	–	–	26	–	2	–	–	–	–
May	34.5	23.0	36.5	20.6	36.9	19.0	–	–	36	–	5	–	–	–	–
June	33.7	22.6	35.5	21.4	36.1	21.0	–	–	2	–	< 1	–	–	–	–
July	32.3	21.9	34.5	20.1	36.1	20.0	–	–	< 1	–	< 1	–	–	–	–
August	33.0	21.8	35.1	19.9	35.6	19.0	–	–	< 1	–	< 1	–	–	–	–
September	34.1	21.5	35.5	19.8	36.1	19.0	–	–	< 1	–	< 1	–	–	–	–
October	33.0	21.6	35.1	19.2	35.6	18.0	–	–	24	–	3	–	–	–	–
November	33.2	19.8	34.3	16.6	35.0	16.0	–	–	11	–	< 1	–	–	–	–
December	32.6	18.8	34.0	15.5	34.4	14.5	–	–	1	–	< 1	–	–	–	–
Year	33.5	20.8	36.7*	14.1*	37.0	13.0	–	–	101	–	10	–	–	–	–
No. of Years	13	13	6	6	6	6	–	–	14	–	12	–	–	–	–

*Average of highest/lowest each year

SOMALIA

Gudubi 08°48′N 45°00′E 1020 m

Period 1944–49 Bibliography 88	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–
February	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–
March	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–
April	–	–	–	–	–	–	–	–	18	–	–	–	–	–	–
May	–	–	–	–	–	–	–	–	53	–	–	–	–	–	–
June	–	–	–	–	–	–	–	–	15	–	–	–	–	–	–
July	–	–	–	–	–	–	–	–	8	–	–	–	–	–	–
August	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–
September	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–
October	–	–	–	–	–	–	–	–	25	–	–	–	–	–	–
November	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–
December	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–
Year	–	–	–	–	–	–	–	–	170	–	–	–	–	–	–
No. of Years	–	–	–	–	–	–	–	–	6	–	–	–	–	–	–

Hargeisa 09°29′N 44°05′E 1326 m

Period 1944–60 Bibliography 64	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0900	1500							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	24.5	11.2	28.7	7.4	31.1	2.8	67	40	2	25	1	–	–	–	–
February	26.4	12.0	29.7	8.6	31.7	2.8	62	35	2	26	1	–	–	–	–
March	28.9	14.6	31.5	11.1	32.8	3.9	57	34	36	70	3	–	–	–	–
April	29.5	16.1	31.8	12.9	32.8	9.4	54	36	53	51	6	–	–	–	–
May	30.6	17.2	33.4	14.8	35.0	11.7	57	34	49	41	7	–	–	–	–
June	30.9	17.0	33.2	15.4	33.9	11.7	57	33	61	39	9	–	–	–	–
July	29.5	16.7	32.6	15.2	33.9	10.5	59	39	38	43	8	–	–	–	–
August	29.4	16.7	31.9	15.0	33.3	11.1	57	37	81	53	10	–	–	–	–
September	30.1	16.9	32.0	15.1	32.8	11.1	54	35	61	48	11	–	–	–	–
October	28.3	14.7	30.6	11.3	31.7	7.2	50	33	20	42	4	–	–	–	–
November	25.5	12.6	28.3	9.8	31.1	4.4	56	37	8	69	1	–	–	–	–
December	24.0	11.6	27.1	8.6	28.9	5.5	65	42	1	9	< 1	–	–	–	–
Year	28.1	14.8	33.8*	6.5*	35.0	2.8	58	36	412	70	61	–	–	–	–
No. of Years	17	17	17	17	17	17	17	17	17	17	17	–	–	–	–

Las Anod 08°28′N 47°22′E 701 m

Period 1944–49 Bibliography 88	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	–	11.5	–	11.0	–	8.9	–	–	1	–	–	–	–	–	–
February	–	13.2	–	12.9	–	11.7	–	–	0	–	–	–	–	–	–
March	–	12.6	–	11.5	–	7.8	–	–	1	–	–	–	–	–	–
April	–	17.1	–	16.0	–	14.4	–	–	13	–	–	–	–	–	–
May	–	17.5	–	15.5	–	10.6	–	–	41	–	–	–	–	–	–
June	–	18.9	–	18.0	–	16.1	–	–	3	–	–	–	–	–	–
July	–	18.4	–	17.7	–	13.9	–	–	< 1	–	–	–	–	–	–
August	–	18.0	–	17.1	–	12.2	–	–	0	–	–	–	–	–	–
September	–	18.9	–	18.5	–	17.2	–	–	10	–	–	–	–	–	–
October	–	17.1	–	15.8	–	13.9	–	–	35	–	–	–	–	–	–
November	–	16.5	–	15.8	–	13.3	–	–	11	–	–	–	–	–	–
December	–	14.2	–	13.2	–	10.0	–	–	4	–	–	–	–	–	–
Year	–	16.1	–	–	–	7.8	–	–	119	–	–	–	–	–	–
No. of Years	–	5	–	5	–	5	–	–	6	–	–	–	–	–	–

*Average of highest/lowest each year

SOMALIA

Mogadiscio 02°02′N 45°21′E 17 m

Period 1941–58 Bibliography 89	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.4	22.9	31.2	21.1	33.4	19.5	–	–	1	6	< 1	258	–	–	–
February	29.5	23.3	30.8	21.3	32.8	19.8	–	–	< 1	1	< 1	247	–	–	–
March	30.7	25.6	32.2	23.0	34.5	21.1	–	–	6	65	1	281	–	–	–
April	32.1	26.6	33.4	23.1	34.0	21.2	–	–	57	77	6	244	–	–	–
May	31.4	25.8	33.0	22.7	34.0	20.1	–	–	54	118	9	259	–	–	–
June	29.4	24.3	30.6	22.0	31.7	19.9	–	–	82	133	16	218	–	–	–
July	28.4	23.5	29.3	21.7	30.4	19.0	–	–	56	115	16	217	–	–	–
August	28.3	23.4	29.2	21.8	30.0	20.9	–	–	32	45	13	252	–	–	–
September	29.2	24.0	30.1	22.6	32.5	21.0	–	–	17	32	6	264	–	–	–
October	30.1	24.8	31.1	23.2	32.5	20.1	–	–	16	65	4	265	–	–	–
November	30.2	24.8	31.5	23.1	34.0	22.2	–	–	42	74	5	249	–	–	–
December	29.8	23.8	31.6	21.7	33.8	19.1	–	–	8	27	2	257	–	–	–
Year	29.9	24.4	33.5*	20.6*	34.5	19.0	–	–	371	133	78	3011	–	–	–
No. of Years	18	18	17	17	17	17	–	–	19	17	19	7	–	–	–

Obbia 05°21′N 48°32′E 12 m

Period 1953–58 Bibliography 89	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.7	21.7	30.9	19.9	31.5	19.0	–	–	2	–	–	–	–	–	–
February	29.8	22.0	31.0	20.3	31.8	19.0	–	–	< 1	–	–	–	–	–	–
March	30.4	22.5	31.8	20.9	33.0	19.9	–	–	18	–	–	–	–	–	–
April	31.6	23.5	32.7	21.7	33.5	20.3	–	–	10	–	–	–	–	–	–
May	31.6	23.0	32.8	21.3	34.0	19.7	–	–	74	–	–	–	–	–	–
June	29.7	21.7	31.6	20.3	32.9	19.1	–	–	0	–	–	–	–	–	–
July	29.2	21.1	30.3	19.7	31.6	19.0	–	–	0	–	–	–	–	–	–
August	28.9	21.3	30.0	20.0	30.9	19.5	–	–	0	–	–	–	–	–	–
September	29.0	21.8	30.1	20.9	31.0	19.0	–	–	0	–	–	–	–	–	–
October	29.5	22.7	30.9	20.3	32.0	18.5	–	–	20	–	–	–	–	–	–
November	29.9	22.4	31.1	20.7	32.0	19.9	–	–	44	–	–	–	–	–	–
December	29.9	22.3	30.9	20.7	31.6	20.0	–	–	33	–	–	–	–	–	–
Year	29.9	22.2	33.0*	19.4*	34.0	18.5	–	–	201	–	–	–	–	–	–
No. of Years	6	6	6	6	6	6	–	–	6	–	–	–	–	–	–

*Average of highest/lowest each year

SOUTH AFRICA

Aliwal North 30°41′S 26°43′E 1317 m

Period 1952–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	14.3	36.0	9.0	39.5	4.1	63	31	79	73	11	317	74	–	< 1
February	29.8	13.8	34.4	8.5	36.5	4.5	71	36	71	55	10	290	79	–	< 1
March	27.5	12.0	33.1	5.7	36.3	2.5	77	39	73	63	12	269	72	–	< 1
April	23.1	7.2	28.1	0.3	32.8	−1.5	84	40	57	55	8	252	74	–	1
May	19.9	3.0	25.2	−2.6	27.5	−6.0	86	37	31	48	6	250	75	–	< 1
June	16.7	−0.4	21.3	−5.9	23.1	−8.4	88	37	15	31	4	231	73	–	1
July	17.3	−0.8	22.1	−6.2	24.2	−9.6	85	33	16	36	4	262	80	–	< 1
August	20.0	1.2	26.1	−4.7	28.7	−8.3	72	26	12	45	3	288	83	–	< 1
September	23.8	5.0	30.1	−1.9	32.6	−4.6	62	23	19	33	3	283	78	–	< 1
October	25.6	8.6	32.7	0.9	35.4	−2.0	60	28	41	51	7	290	73	–	< 1
November	27.6	11.3	34.2	5.3	37.1	2.7	61	31	63	72	9	308	76	–	< 1
December	29.7	13.2	34.9	8.1	38.0	3.2	59	30	62	51	10	334	77	–	< 1
Year	24.3	7.5	36.5*	−7.0*	39.5	−9.6	72	33	539	73	87	3374	76	–	2
No. of Years	19	19	19	19	19	19	19	19	19	19	19	14	13	–	13

Armoedsvlakte (Vryburg) 26°57′S 24°38′E 1234 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.2	16.7	36.4	11.5	41.1	6.0	58	34	76	129	11	303	72	–	< 1
February	30.9	16.1	35.2	11.0	37.9	6.7	67	39	72	63	10	264	72	–	< 1
March	28.9	14.1	33.3	8.3	38.4	4.2	72	41	70	69	9	270	71	–	1
April	25.8	9.6	30.5	2.7	33.3	−1.1	75	38	51	86	7	267	77	–	< 1
May	22.3	4.9	27.1	−1.7	30.8	−6.1	74	34	20	66	3	275	82	–	< 1
June	19.3	0.7	24.1	−5.1	28.1	−8.6	75	33	11	59	2	263	84	–	< 1
July	19.8	0.2	24.2	−6.0	26.2	−9.2	71	31	7	25	1	290	88	–	< 1
August	22.9	2.6	28.1	−4.1	30.0	−7.5	59	27	5	21	1	312	90	–	< 1
September	26.9	7.1	32.4	−0.6	35.2	−5.0	47	24	8	59	1	308	86	–	< 1
October	29.4	11.2	35.1	3.0	38.2	−2.8	49	27	28	47	5	311	79	–	< 1
November	30.8	13.9	36.1	7.6	38.6	3.9	51	28	43	54	8	302	75	–	1
December	31.6	15.7	36.2	9.7	39.0	3.9	55	32	65	93	9	312	73	–	< 1
Year	26.7	9.4	37.6*	−6.6*	41.1	−9.	63	32	456	129	67	3477	79	–	2
No. of Years	30	30	30	30	30	30	30	30	30	30	20	20	20	–	20

Bethlehem 28°10′S 28°18′E 1631 m

Period 1950–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.8	13.1	31.3	8.9	34.0	4.1	76	46	110	77	13	279	66	–	< 1
February	26.2	12.9	30.6	8.4	33.0	4.9	80	46	87	76	11	262	69	–	< 1
March	24.8	11.2	29.1	6.4	33.1	0.5	84	47	69	49	11	255	67	–	< 1
April	21.1	6.6	25.6	0.3	29.5	−1.5	88	47	60	49	8	232	68	–	1
May	18.3	1.7	23.2	−3.7	26.1	−5.9	88	40	34	41	5	251	75	–	1
June	15.4	−2.3	20.3	−7.6	23.3	−10.2	87	38	12	36	2	233	75	–	1
July	15.8	−2.5	20.3	−6.8	22.8	−11.2	85	35	13	28	2	253	78	–	1
August	18.9	−0.3	24.7	−5.9	26.5	−7.6	80	30	10	25	2	284	83	–	< 1
September	22.4	4.4	28.6	−2.4	31.7	−6.3	73	30	30	31	3	279	79	–	0
October	24.0	8.1	31.1	0.9	33.7	−2.9	70	36	65	57	9	273	68	–	1
November	24.8	10.9	30.8	5.4	34.2	2.2	72	42	81	47	13	259	64	–	1
December	26.2	12.4	31.1	7.6	34.6	5.3	73	44	106	50	13	292	67	–	1
Year	22.1	6.3	32.7*	−8.4*	34.6	−11.2	80	40	677	77	92	3152	72	–	7
No. of Years	20	20	20	20	20	20	17	16	21	17	17	12	10	–	10

*Average of highest/lowest each year

SOUTH AFRICA

Bloemfontein 29°06'S 26°18'E 1351 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.9	15.3	35.0	10.2	38.8	4.0	64	36	83	63	11	311	72	–	0
February	28.5	14.8	33.2	9.4	36.9	4.3	72	43	78	96	11	268	72	–	0
March	26.4	12.9	31.4	7.2	34.6	1.2	75	44	78	79	11	265	69	–	1
April	22.8	8.7	27.9	1.8	31.4	−2.6	77	43	66	50	9	259	75	–	1
May	19.4	4.2	24.7	−1.7	27.9	−5.7	77	39	22	37	5	263	79	–	0
June	16.6	0.7	21.3	−4.5	25.8	−9.2	77	37	8	26	3	255	82	–	0
July	17.0	0.3	21.9	−4.8	25.6	−9.6	73	34	10	35	3	275	85	–	0
August	20.0	2.6	25.8	−3.7	29.2	−9.0	64	29	12	40	2	295	86	–	0
September	23.8	6.3	30.2	−1.0	34.0	−6.7	55	27	19	110	4	291	81	–	0
October	25.8	10.1	32.8	2.5	35.6	−2.8	58	31	50	51	8	298	74	–	1
November	27.6	12.2	33.6	6.2	36.6	2.2	59	32	60	51	10	303	74	–	0
December	28.9	14.2	34.1	7.6	37.9	2.6	61	35	78	54	11	317	73	–	0
Year	23.9	8.5	36.0*	−5.7*	38.8	−9.6	68	36	564	110	88	3400	77	–	3
No. of Years	30	30	30	30	30	30	30	30	30	30	20	29	29	–	19

Calvinia 31°28'S 19°46'E 980 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	13.6	38.4	6.7	40.9	2.8	56	27	4	17	1	347	82	–	0
February	31.1	13.4	37.9	7.0	40.4	0.6	62	29	8	17	3	300	82	–	0
March	29.2	12.1	36.4	4.7	40.0	1.6	67	32	21	80	4	300	81	–	0
April	24.3	8.4	32.1	1.3	35.0	−1.5	72	37	25	56	5	240	72	–	0
May	20.4	5.8	27.3	−0.8	31.2	−3.5	75	42	27	45	6	202	62	–	1
June	17.2	3.9	23.5	−2.8	25.7	−6.4	74	46	31	35	7	168	54	–	1
July	17.0	3.0	24.0	−4.0	26.5	−7.2	73	44	23	53	5	201	62	–	0
August	18.4	3.7	27.1	−3.1	31.7	−5.6	73	42	24	28	6	239	70	–	0
September	21.6	5.1	31.7	−1.7	36.7	−3.6	67	33	13	34	3	272	77	–	0
October	24.4	7.3	33.9	−0.1	40.5	−3.4	62	31	12	23	4	290	74	–	0
November	27.6	10.2	35.9	3.9	39.4	0.6	57	28	16	49	3	317	79	–	0
December	29.9	12.1	37.6	5.5	40.0	1.0	55	28	9	25	2	349	81	–	0
Year	24.4	8.2	39.2*	−4.6*	40.9	−7.2	66	35	213	80	49	3225	73	–	2
No. of Years	29	29	29	29	29	29	27	27	29	29	19	13	13	–	13

Cape Agulhas 34°50'S 20°01'E 6 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.7	17.4	26.4	13.0	29.7	8.3	81	72	25	117	7	–	–	–	–
February	23.7	17.5	26.7	13.5	30.7	9.4	84	74	21	61	7	–	–	–	–
March	22.5	16.7	25.9	12.4	35.0	9.4	87	76	35	58	9	–	–	–	–
April	20.3	14.6	24.4	10.4	28.9	7.2	88	78	47	41	11	–	–	–	–
May	19.3	12.8	24.7	8.9	33.9	5.6	86	77	55	47	12	–	–	–	–
June	17.4	11.1	25.4	7.4	30.0	4.4	83	74	63	61	12	–	–	–	–
July	17.0	10.3	23.0	6.4	29.0	3.9	86	76	58	44	12	–	–	–	–
August	16.9	10.5	24.7	6.7	32.8	4.4	85	75	61	45	13	–	–	–	–
September	17.5	11.6	23.6	7.4	38.3	4.4	84	75	38	63	10	–	–	–	–
October	18.9	13.0	22.3	8.6	26.1	5.6	83	74	45	123	11	–	–	–	–
November	20.8	14.8	23.9	10.9	28.4	7.8	80	73	27	45	6	–	–	–	–
December	22.7	16.3	25.4	12.0	27.8	7.8	76	71	22	95	6	–	–	–	–
Year	20.1	13.9	29.7*	5.6*	38.3	3.9	84	75	497	123	116	–	–	–	–
No. of Years	30	30	30	30	30	30	29	28	30	30	20	–	–	–	–

*Average of highest/lowest each year

SOUTH AFRICA

Cape Columbine 32°50′S 17°51′E 60 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	21.0	13.3	27.3	11.1	35.6	9.7	88	75	4	12	3	–	–	–	–
February	20.9	13.4	28.0	11.1	34.4	9.4	90	76	6	20	3	–	–	–	–
March	20.7	13.1	29.3	10.6	36.7	9.0	90	77	7	16	3	–	–	–	–
April	19.1	12.3	28.2	9.0	36.0	6.0	80	78	23	38	6	–	–	–	–
May	17.4	11.4	25.1	7.8	31.0	4.4	88	79	35	50	8	–	–	–	–
June	16.4	10.4	22.8	6.7	27.4	5.0	85	77	48	47	9	–	–	–	–
July	15.7	9.7	22.2	6.2	26.6	4.6	87	79	39	24	9	–	–	–	–
August	16.2	9.9	23.8	5.9	30.1	4.4	86	78	36	60	10	–	–	–	–
September	17.1	10.4	26.0	6.6	31.5	4.4	86	77	21	35	7	–	–	–	–
October	18.3	11.3	26.6	8.0	33.2	6.7	85	75	16	25	7	–	–	–	–
November	19.5	12.2	26.3	9.4	36.9	5.0	85	76	7	20	4	–	–	–	–
December	20.3	12.8	26.1	10.5	37.2	9.4	86	75	6	32	3	–	–	–	–
Year	18.5	11.7	33.0*	5.2*	37.2	4.4	87	77	248	60	72	–	–	–	–
No. of Years	30	30	30	30	30	30	30	30	30	30	20	–	–	–	–

Cape Hermes (Port St. Johns) 31°38′S 29°33′E 47 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.9	19.6	28.8	16.0	31.1	12.2	82	82	115	71	15	–	–	–	–
February	25.1	20.0	28.6	16.2	32.0	13.8	82	82	110	140	13	–	–	–	–
March	24.6	19.2	28.7	15.2	31.7	12.8	82	82	145	166	13	–	–	–	–
April	23.7	17.5	29.7	13.4	34.4	11.1	77	78	87	102	9	–	–	–	–
May	23.0	15.6	29.4	11.4	34.4	8.9	68	73	54	88	6	–	–	–	–
June	21.6	13.7	27.7	10.2	31.2	8.5	62	67	41	95	4	–	–	–	–
July	21.4	13.4	28.7	9.6	33.9	6.7	61	69	32	111	4	–	–	–	–
August	21.1	14.0	29.4	9.8	36.5	8.3	68	75	47	73	6	–	–	–	–
September	21.1	15.0	29.2	10.4	44.7	6.7	75	79	75	136	9	–	–	–	–
October	21.5	16.3	26.8	11.7	40.0	7.8	79	81	100	71	14	–	–	–	–
November	22.8	17.4	27.4	13.4	37.7	10.0	80	83	110	181	15	–	–	–	–
December	24.1	18.7	28.2	14.5	33.5	11.9	80	81	108	73	15	–	–	–	–
Year	22.9	16.7	33.9*	8.8*	44.7	6.7	75	78	1024	181	123	–	–	–	–
No. of Years	30	29	30	29	30	29	30	30	30	30	20	–	–	–	–

Cape St. Blaize 34°11′S 22°09′E 59 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.0	18.2	28.0	13.9	34.0	5.0	81	74	27	67	7	–	–	–	–
February	23.8	18.1	28.1	14.1	31.7	10.0	84	76	20	32	7	–	–	–	–
March	22.8	17.2	28.4	13.2	38.6	10.6	87	78	39	104	9	–	–	–	–
April	21.1	15.0	28.0	10.7	38.9	6.7	85	76	39	56	9	–	–	–	–
May	20.1	13.3	28.0	9.2	34.4	4.4	81	73	39	39	8	–	–	–	–
June	19.2	11.9	27.3	7.6	31.7	5.0	76	68	29	36	7	–	–	–	–
July	18.6	11.0	26.9	7.2	31.7	3.9	78	69	31	78	7	–	–	–	–
August	18.7	11.2	28.0	7.1	32.2	4.6	79	69	37	60	9	–	–	–	–
September	18.9	12.1	27.6	8.1	36.6	5.0	82	74	33	41	8	–	–	–	–
October	19.5	13.5	25.3	9.2	30.8	5.8	82	76	35	93	10	–	–	–	–
November	21.2	15.2	25.8	11.4	31.6	6.1	80	75	31	48	8	–	–	–	–
December	22.8	16.8	26.4	12.7	31.1	9.2	79	73	23	53	6	–	–	–	–
Year	20.9	14.5	33.0*	5.9*	38.9	3.9	81	73	383	104	95	–	–	–	–
No. of Years	30	30	30	30	30	30	30	27	30	30	20	–	–	–	–

*Average of highest/lowest each year

SOUTH AFRICA

Cape St. Lucia 28°30′S 32°24′E 107 m

Period 1943–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.2	21.2	32.4	17.3	38.2	12.2	84	74	125	122	12	–	–	–	–
February	28.3	21.2	32.1	17.4	35.5	15.6	86	75	130	148	12	–	–	–	–
March	27.4	20.5	31.4	15.8	37.6	12.2	88	76	161	159	14	–	–	–	–
April	25.7	18.6	30.7	14.2	35.5	11.7	88	75	130	186	12	–	–	–	–
May	23.9	16.1	28.7	11.6	31.6	7.8	86	73	75	142	9	–	–	–	–
June	22.1	13.6	26.5	9.7	29.3	7.0	83	69	100	229	8	–	–	–	–
July	21.9	13.7	26.6	9.7	30.6	7.2	84	69	78	123	8	–	–	–	–
August	22.5	14.8	28.4	10.3	37.2	7.9	84	73	66	130	8	–	–	–	–
September	23.1	16.4	28.4	11.4	33.3	8.3	85	76	74	94	11	–	–	–	–
October	24.0	17.6	29.5	13.0	36.8	10.1	85	78	117	100	14	–	–	–	–
November	25.4	18.9	30.6	14.5	37.2	11.8	84	77	100	94	14	–	–	–	–
December	27.0	20.1	32.0	16.0	38.9	14.4	83	76	105	103	13	–	–	–	–
Year	25.0	17.7	34.3*	8.6*	38.9	7.0	85	74	1261	229	135	–	–	–	–
No. of Years	28	28	28	28	28	28	27	24	28	28	20	–	–	–	–

Cape Town, Malan Airport 33°58′S 18°36′E 44 m

Period 1956–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.0	15.3	34.0	9.6	38.4	8.0	73	52	12	11	5	340	78	–	< 1
February	25.9	14.8	33.0	8.9	37.3	6.6	79	53	19	33	5	285	77	–	< 1
March	25.4	13.9	33.9	7.0	40.7	4.3	85	52	17	18	5	290	76	–	< 1
April	22.7	11.0	31.1	4.2	38.6	2.4	89	55	42	45	9	232	69	–	1
May	19.5	9.0	27.4	2.1	33.5	0.9	91	63	67	31	13	189	59	–	1
June	17.8	7.3	25.5	0.6	28.3	−1.2	90	63	98	38	12	172	57	–	1
July	17.3	6.5	24.4	0.6	29.0	−1.3	91	63	68	36	12	199	63	–	1
August	17.6	7.0	26.6	0.7	31.2	−0.4	90	62	76	35	13	206	61	–	1
September	19.4	8.2	29.2	1.7	36.3	−0.2	88	58	36	36	10	228	64	–	< 1
October	21.1	10.0	30.7	3.4	35.4	1.0	80	55	45	39	9	266	66	–	1
November	23.6	12.5	31.4	6.1	35.8	3.9	71	53	12	25	5	307	74	–	0
December	25.1	14.6	32.9	9.0	37.0	7.7	70	53	13	14	5	337	75	–	< 1
Year	21.8	10.8	36.8*	−0.3*	40.7	−1.3	83	57	505	58	103	3051	68	–	6
No. of Years	15	15	15	15	15	15	15	15	15	15	15	14	14	–	14

Cape Town, Observatory 33°56′S 18°29′E 12 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.4	16.7	33.8	12.4	38.1	10.2	68	–	17	63	5	–	–	–	–
February	26.6	16.5	34.0	12.4	39.7	9.2	71	–	13	29	5	–	–	–	–
March	25.8	15.6	34.4	11.0	40.9	7.2	75	–	24	44	5	–	–	–	–
April	22.6	13.3	31.6	8.6	39.3	6.3	82	–	60	71	9	–	–	–	–
May	19.7	11.0	27.9	5.8	33.2	2.7	83	–	97	77	13	–	–	–	–
June	18.0	9.1	25.3	3.9	29.6	1.5	82	–	105	85	12	–	–	–	–
July	17.2	8.4	24.3	3.5	29.0	−0.3	84	–	98	47	12	–	–	–	–
August	17.9	9.3	26.3	4.2	29.7	0.8	81	–	83	48	13	–	–	–	–
September	19.3	10.6	29.0	5.7	34.7	2.3	79	–	49	35	9	–	–	–	–
October	21.0	12.4	30.3	7.4	34.9	3.6	73	–	40	48	8	–	–	–	–
November	23.5	14.3	31.2	9.9	36.5	7.1	68	–	19	24	5	–	–	–	–
December	25.2	15.7	33.3	11.1	38.5	8.3	66	–	15	21	4	–	–	–	–
Year	21.9	12.7	36.9*	3.3*	40.9	−0.3	76	–	620	85	100	–	–	–	–
No. of Years	29	29	29	29	29	29	16	–	29	30	19	–	–	–	–

*Average of highest/lowest each year

SOUTH AFRICA

Carolina 26°04'S 30°07'E 1696 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	24.4	13.0	29.3	8.9	32.2	4.9	82	52	117	77	13	253	60	–	< 1
February	24.5	12.7	29.2	8.3	32.8	5.2	84	50	83	80	10	226	62	–	1
March	23.3	11.5	28.5	6.9	36.7	3.3	85	46	81	75	10	245	65	–	1
April	21.0	9.0	26.0	3.3	37.8	−0.6	83	45	62	65	8	219	64	–	1
May	18.7	5.0	23.3	0.2	25.1	−6.1	79	33	15	47	4	258	77	–	< 1
June	15.9	1.8	20.5	−3.5	25.0	−7.8	78	32	7	37	3	239	76	–	< 1
July	16.4	1.9	21.2	−2.9	23.5	−7.2	76	29	9	51	2	263	80	–	< 1
August	19.1	4.0	25.0	−1.5	27.8	−8.5	73	26	11	50	2	277	80	–	1
September	22.1	7.5	28.5	1.3	31.1	−2.2	67	29	25	54	4	271	76	–	< 1
October	23.0	10.1	30.0	4.1	32.5	1.7	70	40	84	51	10	249	63	–	1
November	23.1	11.4	29.2	6.3	32.5	2.6	75	51	130	79	15	210	52	–	1
December	24.1	12.5	29.5	7.5	32.6	2.1	79	53	121	60	15	243	57	–	1
Year	21.3	8.4	31.3*	−4.7*	36.7	−8.5	78	41	745	80	96	2953	68	–	7
No. of Years	28	28	28	28	28	28	26	13	28	28	16	11	11	–	11

Cradock 32°10'S 25°37'E 872 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	14.6	38.3	8.9	40.6	3.3	64	33	37	41	7	–	–	–	–
February	30.1	14.4	37.3	8.5	40.7	4.8	70	38	49	84	6	–	–	–	–
March	28.0	13.1	35.3	6.3	38.0	2.6	75	42	47	49	7	–	–	–	–
April	24.4	8.7	31.4	2.0	36.7	−0.9	75	38	32	37	6	–	–	–	–
May	20.9	4.9	27.2	−1.4	30.4	−4.0	76	40	18	45	3	–	–	–	–
June	18.3	1.7	24.0	−3.9	28.0	−6.8	73	36	6	32	2	–	–	–	–
July	18.7	1.2	24.4	−4.1	27.0	−6.5	69	32	6	18	2	–	–	–	–
August	20.7	3.2	28.3	−3.3	31.2	−5.0	64	30	11	39	1	–	–	–	–
September	23.5	6.0	32.3	−1.0	36.1	−3.8	63	30	13	35	3	–	–	–	–
October	25.5	8.8	34.9	1.6	38.2	−0.8	63	33	27	51	3	–	–	–	–
November	27.6	11.4	36.3	5.2	39.8	1.9	63	34	33	43	5	–	–	–	–
December	29.7	13.1	37.9	6.8	41.1	3.7	62	34	35	37	3	–	–	–	–
Year	24.9	8.4	39.1*	−4.9*	41.1	−6.8	68	35	314	84	48	–	–	–	–
No. of Years	29	29	29	29	29	29	26	25	29	29	8	–	–	–	–

Durban 29°58'S 30°57'E 8 m

Period 1956–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.7	20.8	31.7	16.7	34.7	11.9	77	71	131	109	15	196	44	–	3
February	27.9	20.9	32.4	16.6	39.4	14.5	77	70	114	85	12	190	51	–	2
March	27.7	20.0	31.4	15.3	33.6	11.6	79	68	136	106	14	213	55	–	1
April	25.7	17.1	29.9	12.0	32.5	8.6	79	66	108	143	11	203	59	–	1
May	24.3	13.3	29.6	7.6	31.8	4.9	80	61	54	101	6	222	67	–	1
June	22.8	10.0	28.7	4.5	31.2	3.3	79	55	32	109	4	225	73	–	1
July	22.6	10.1	28.1	4.9	33.1	2.8	80	58	37	100	5	231	71	–	1
August	23.1	12.1	30.9	5.8	37.1	2.6	77	60	43	71	6	229	67	–	1
September	23.4	15.0	30.5	9.1	36.9	7.7	75	66	61	61	10	186	51	–	4
October	24.1	16.7	31.0	10.6	40.8	7.5	74	69	100	87	15	171	43	–	5
November	25.3	18.5	30.6	13.8	34.3	10.6	76	72	113	63	17	159	39	–	5
December	26.8	19.8	31.4	15.2	34.0	12.3	75	71	117	163	16	198	46	–	3
Year	25.1	16.2	35.0*	4.1*	40.8	2.6	77	66	1046	163	131	2423	55	–	28
No. of Years	15	15	15	15	15	15	15	15	15	15	15	14	14	–	14

*Average of highest/lowest each year

SOUTH AFRICA

De Aar 30°39′S 24°01′E 1241 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.4	15.9	37.0	9.9	40.6	4.4	52	23	31	91	6	352	82	–	< 1
February	31.1	15.3	36.0	9.1	38.4	3.9	60	27	45	62	6	307	83	–	< 1
March	28.5	13.3	33.6	6.4	36.8	3.4	69	36	48	41	7	294	77	–	< 1
April	23.5	8.4	29.5	1.6	32.7	−3.6	75	39	41	40	5	264	78	–	< 1
May	18.7	4.3	25.1	−2.0	27.2	−6.1	75	36	18	27	5	255	77	–	1
June	16.3	0.8	21.4	−4.5	23.7	−7.8	77	39	9	31	3	240	78	–	< 1
July	17.0	0.2	22.1	−5.3	24.4	−10.0	72	35	10	38	2	270	83	–	< 1
August	19.2	2.1	26.0	−4.0	28.4	−6.9	64	30	9	36	2	295	86	–	< 1
September	23.5	5.5	30.6	−1.6	33.7	−7.8	53	24	7	31	2	291	81	–	< 1
October	26.2	8.1	33.5	1.8	37.3	−2.1	50	24	21	31	4	310	78	–	< 1
November	28.9	12.2	34.9	5.7	37.7	2.7	50	23	27	45	5	337	82	–	< 1
December	31.0	14.2	36.5	7.7	40.7	3.9	47	22	24	28	5	362	83	–	< 1
Year	24.7	8.4	37.9*	−5.8*	40.7	−10.0	62	30	290	91	52	3577	81	–	1
No. of Years	28	28	28	28	28	28	17	15	28	28	18	13	13	–	13

East London 33°02′S 27°50′E 127 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.3	18.0	31.0	14.0	35.8	9.0	76	72	75	107	14	230	53	–	2
February	25.6	18.2	32.3	14.1	42.6	11.0	78	71	72	122	12	207	55	–	2
March	24.9	17.5	31.4	13.0	38.6	10.8	81	72	114	217	13	211	55	–	2
April	23.4	14.9	32.2	10.1	35.9	7.2	77	67	82	131	10	213	63	–	1
May	22.4	12.7	30.9	7.6	36.1	4.4	72	59	53	89	8	224	69	–	1
June	21.0	10.5	29.2	5.3	32.8	2.6	66	53	42	109	6	224	75	–	< 1
July	20.9	10.2	30.1	4.9	32.6	1.8	66	54	33	122	5	239	76	–	< 1
August	21.2	10.9	32.3	6.1	37.5	3.1	69	58	66	447	7	237	70	–	1
September	21.1	12.3	32.8	7.7	41.3	5.0	73	66	90	113	9	218	61	–	1
October	21.4	14.0	29.9	9.2	40.9	6.3	75	73	105	265	14	209	52	–	3
November	22.8	15.4	29.7	11.3	40.3	8.5	74	72	92	127	13	221	53	–	2
December	24.3	16.7	30.9	12.1	38.2	8.4	73	72	77	127	13	238	54	–	1
Year	22.9	14.3	36.4*	4.2*	42.6	1.8	73	66	901	447	124	2671	61	–	16
No. of Years	30	30	30	30	30	30	30	30	30	30	20	28	28	–	20

Garies 30°33′S 17°59′E 252 m

Period 1941–54 Bibliography 16	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.3	14.6	41.7	9.5	44.1	7.5	67	36	3	15	–	–	–	–	–
February	32.6	15.0	41.6	10.2	44.2	7.5	68	36	1	4	–	–	–	–	–
March	31.1	14.4	39.9	8.5	41.9	5.6	71	39	7	21	–	–	–	–	–
April	27.7	11.6	38.1	5.7	40.4	3.9	77	44	17	37	–	–	–	–	–
May	24.6	9.7	33.3	4.2	35.9	1.5	75	46	27	55	–	–	–	–	–
June	22.4	7.6	29.8	1.8	32.2	−1.4	74	45	20	33	–	–	–	–	–
July	20.4	6.2	29.2	0.8	31.7	−0.3	76	49	27	23	–	–	–	–	–
August	21.8	7.0	32.3	1.8	35.6	−2.8	75	47	18	21	–	–	–	–	–
September	24.5	8.2	35.8	2.7	41.1	1.3	71	40	10	17	–	–	–	–	–
October	26.7	10.0	37.3	4.9	41.7	3.3	69	39	12	58	–	–	–	–	–
November	29.1	12.2	39.3	7.7	41.7	5.6	64	37	8	34	–	–	–	–	–
December	30.6	13.2	40.0	8.9	43.3	6.6	64	36	4	9	–	–	–	–	–
Year	27.0	10.8	42.7*	0.2*	44.2	−2.8	71	41	154	58	–	–	–	–	–
No. of Years	14	14	14	14	14	14	14	14	14	14	–	–	–	–	–

*Average of highest/lowest each year

SOUTH AFRICA

Grootfontein 31°29′S 25°02′E 1270 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.1	12.6	35.8	6.6	38.8	0.7	64	31	48	71	7	324	73	–	< 1
February	29.1	12.5	34.7	5.9	38.3	1.2	70	33	53	71	7	280	73	–	< 1
March	26.5	11.0	32.4	3.4	35.5	−0.1	75	40	58	62	9	265	69	–	1
April	22.1	6.5	28.2	−1.4	31.8	−4.0	75	40	36	54	6	247	72	–	1
May	18.4	3.2	24.3	−4.5	27.4	−8.6	73	40	18	40	4	243	74	–	1
June	15.6	−0.2	20.6	−7.8	22.8	−12.6	75	40	10	29	3	231	75	–	1
July	16.0	−0.7	21.3	−8.2	24.1	−11.7	72	36	10	34	3	254	78	–	< 1
August	18.4	1.1	25.3	−8.0	30.6	−11.4	66	33	12	69	3	275	80	–	< 1
September	21.8	3.8	29.5	−5.1	37.2	−8.9	60	28	14	44	3	275	76	–	< 1
October	24.1	6.7	31.9	−1.8	34.7	−5.6	61	29	25	39	5	297	73	–	< 1
November	26.8	9.1	33.5	2.4	35.8	−1.1	61	29	34	49	5	308	73	–	< 1
December	29.0	11.1	35.4	4.5	39.9	0.6	60	28	35	51	7	342	77	–	< 1
Year	23.2	6.4	36.5*	−9.5*	39.9	−12.6	68	34	353	71	62	3341	74	–	4
No. of Years	30	30	30	30	30	30	29	24	30	30	18	20	20	–	20

Johannesburg 26°08′S 28°14′E 1692 m

Period 1953–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						per cent		millimetres			hours		hours	
January	25.3	14.2	29.7	10.6	32.7	7.5	77	50	112	64	15	261	62	–	1
February	25.0	14.1	28.9	10.2	31.2	6.9	79	52	97	55	11	232	64	–	0
March	23.9	12.8	28.0	8.2	30.6	5.2	80	49	75	92	10	247	65	–	1
April	21.0	10.2	25.6	5.1	27.7	0.5	78	48	61	49	10	243	70	–	1
May	18.5	7.2	23.0	1.4	26.2	−0.6	71	39	22	29	5	274	81	–	0
June	15.7	4.1	19.8	−1.6	22.2	−5.0	69	35	9	31	2	265	84	–	0
July	16.5	4.4	20.9	−1.3	23.3	−3.9	65	32	8	30	1	285	86	–	0
August	19.3	6.0	24.6	−1.2	26.4	−4.0	61	28	5	25	2	302	87	–	0
September	22.7	9.0	28.3	1.9	30.0	−1.8	59	29	25	35	3	285	80	–	1
October	24.1	11.2	29.9	4.4	32.2	0.2	62	37	69	71	10	278	71	–	0
November	23.9	12.6	29.4	7.6	31.7	3.9	71	47	116	65	15	249	62	–	1
December	24.6	13.6	29.3	9.2	31.8	3.5	74	50	111	89	15	261	61	–	1
Year	21.7	9.9	31.3*	−2.7*	32.7	−5.0	71	41	710	92	99	3182	73	–	6
No. of Years	18	18	18	18	18	18	18	18	18	18	18	17	17	–	17

Kimberley 28°48′S 24°46′E 1198 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1430							
	degrees Celsius						per cent		millimetres			hours		hours	
January	32.8	17.8	37.4	12.2	39.4	5.7	53	29	56	45	9	315	74	–	< 1
February	31.4	17.3	35.9	11.3	38.1	6.4	61	33	56	54	9	274	74	–	< 1
March	28.8	15.3	34.0	8.5	36.1	2.9	67	38	68	65	10	268	70	–	< 1
April	24.9	11.0	30.2	3.2	34.1	−0.2	70	39	56	52	7	270	79	–	< 1
May	21.1	6.8	26.7	−0.3	29.4	−4.2	69	36	20	55	4	270	82	–	< 1
June	18.1	3.2	23.3	−3.2	27.8	−6.7	70	36	10	67	2	262	84	–	< 1
July	18.7	3.1	23.8	−3.8	25.8	−7.4	65	31	8	27	2	285	88	–	< 1
August	21.5	5.3	28.1	−2.4	31.2	−5.0	55	27	10	58	1	305	88	–	< 1
September	25.5	8.8	32.3	0.3	34.3	−3.9	46	23	8	27	2	297	83	–	< 1
October	28.1	12.0	34.9	3.6	37.7	−0.6	47	25	32	59	5	309	78	–	< 1
November	30.2	14.7	36.1	8.2	38.7	5.0	48	26	41	60	8	314	77	–	< 1
December	31.9	16.7	36.9	9.9	39.4	5.6	49	26	54	65	8	326	75	–	< 1
Year	26.1	11.0	38.4*	−4.6*	39.4	−7.4	58	31	419	67	67	3495	79	–	< 1
No. of Years	30	30	30	30	30	30	30	30	30	30	20	30	30	–	20

*Average of highest/lowest each year

SOUTH AFRICA

Kokstad 30°32′S 29°25′E 1278 m

Period 1941–46 1959–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.0	13.3	34.2	8.8	36.5	4.4	80	55	123	68	15	221	51	–	2
February	25.7	13.1	32.8	7.8	35.8	4.0	85	53	91	54	8	206	56	–	2
March	24.6	11.6	31.3	5.9	34.0	3.4	89	53	106	67	11	215	55	–	2
April	21.7	7.9	28.0	1.5	31.8	−4.5	88	48	45	25	7	197	58	–	1
May	19.7	3.9	25.3	−1.9	28.2	−4.6	83	39	33	157	5	189	58	–	1
June	17.3	0.7	22.7	−4.4	26.6	−7.6	80	35	20	114	2	199	64	–	1
July	18.2	0.5	23.9	−4.7	27.2	−7.6	79	32	13	31	2	223	69	–	1
August	20.1	3.0	27.5	−3.3	29.5	−6.5	75	31	25	43	3	244	71	–	1
September	22.0	6.4	30.3	−0.5	33.6	−3.5	77	40	29	32	5	233	65	–	1
October	22.6	9.0	32.1	2.1	35.3	−1.7	77	50	67	56	10	208	52	–	2
November	23.7	10.9	33.0	5.0	35.6	0.3	79	54	91	65	13	203	49	–	2
December	25.8	12.3	34.2	6.7	37.5	2.0	74	53	95	52	13	225	51	–	2
Year	22.3	7.7	35.4*	−5.5*	37.5	−7.6	81	45	738	157	94	2563	58	–	18
No. of Years	17	16	17	16	17	16	9	9	18	18	12	12	12	–	12

Kroonstad 27°40′S 27°15′E 1348 m

Period 1941–60 1967–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.1	15.4	34.5	10.9	38.2	5.6	68	41	88	64	12	278	66	–	1
February	29.0	15.1	33.4	10.2	36.7	5.8	74	43	79	45	10	243	66	–	1
March	27.0	13.1	31.7	7.7	35.5	3.8	80	46	87	55	10	251	66	–	1
April	24.1	8.7	28.7	1.9	31.6	−3.9	83	43	56	34	8	241	70	–	1
May	20.6	3.7	25.9	−1.8	29.4	−7.2	84	40	32	55	5	256	77	–	1
June	17.8	−0.7	22.3	−5.9	24.4	−8.0	82	38	8	31	1	234	74	–	< 1
July	18.4	−0.9	23.1	−5.8	27.0	−8.9	80	34	12	36	2	262	80	–	< 1
August	21.9	1.5	27.0	−4.5	30.0	−7.8	70	29	5	16	1	281	82	–	< 1
September	25.2	6.3	31.0	−1.2	33.8	−4.4	61	28	22	40	4	264	74	–	1
October	27.3	10.7	33.4	2.8	36.5	−1.0	63	33	64	43	9	258	65	–	1
November	28.4	12.8	33.8	6.6	36.5	1.7	63	35	59	48	10	255	63	–	1
December	29.3	14.4	34.4	8.4	38.9	3.3	66	39	85	47	11	286	68	–	< 1
Year	24.9	8.3	36.0*	−6.8*	38.9	−8.9	73	37	597	64	83	3109	71	–	8
No. of Years	23	23	23	23	23	23	22	22	23	23	14	13	13	–	13

Kuruman 27°28′S 23°26′E 1312 m

Period 1946–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.8	16.3	35.9	11.3	40.0	7.0	59	30	68	90	9	290	70	–	< 1
February	30.5	15.9	34.5	10.6	37.9	7.3	70	37	74	87	7	266	72	–	< 1
March	28.3	14.1	32.9	8.6	36.6	4.6	76	40	73	66	9	253	66	–	1
April	24.8	9.5	29.3	3.2	32.4	0.8	79	38	65	127	5	244	71	–	< 1
May	21.4	4.8	26.0	−0.6	29.1	−3.3	82	35	27	101	3	262	78	–	< 1
June	18.5	1.6	22.6	−3.7	25.4	−7.6	81	35	17	65	2	242	77	–	< 1
July	18.8	1.0	22.9	−4.4	24.5	−8.7	77	30	4	13	2	270	82	–	< 1
August	21.5	2.8	26.7	−3.1	29.4	−6.7	64	25	7	41	1	287	83	–	0
September	25.6	6.9	31.1	0.3	33.0	−4.6	52	22	8	30	2	287	80	–	< 1
October	28.0	10.6	33.6	3.1	36.2	−0.1	52	24	22	75	4	301	76	–	< 1
November	29.9	13.3	34.9	7.6	37.6	3.4	53	26	32	68	7	292	72	–	< 1
December	31.0	15.2	35.2	10.0	38.9	3.3	57	30	55	65	8	310	72	–	0
Year	25.8	9.3	36.8*	−5.3*	40.0	−8.7	67	31	452	127	59	3304	75	–	1
No. of Years	24	24	24	24	24	24	21	23	25	24	15	13	13	–	13

*Average of highest/lowest each year

SOUTH AFRICA

Ladysmith 28°33′S 29°45′E 1034 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.5	16.6	36.4	12.7	39.2	7.4	74	46	134	93	14	–	–	–	–
February	29.3	16.5	35.5	12.3	38.4	9.4	78	47	119	129	12	–	–	–	–
March	27.9	15.0	34.2	10.1	37.2	5.4	82	47	98	73	11	–	–	–	–
April	25.6	11.3	31.5	5.5	35.2	1.2	80	41	50	54	7	–	–	–	–
May	23.0	6.5	28.3	0.9	30.7	−2.2	78	37	19	49	4	–	–	–	–
June	20.2	2.8	25.9	−2.4	28.9	−5.0	75	35	11	31	2	–	–	–	–
July	20.6	2.7	26.4	−2.4	29.5	−4.8	70	31	10	32	2	–	–	–	–
August	23.4	6.1	30.3	−0.7	32.1	−3.5	65	28	22	67	3	–	–	–	–
September	26.0	10.0	33.9	2.9	36.1	−0.9	64	30	35	62	5	–	–	–	–
October	27.1	12.8	36.0	6.7	38.8	1.7	66	37	70	77	10	–	–	–	–
November	28.1	14.6	35.9	9.4	40.0	5.9	69	42	91	63	13	–	–	–	–
December	29.5	16.1	36.8	11.0	40.5	7.5	69	42	100	74	14	–	–	–	–
Year	25.9	10.9	38.0*	−3.2*	40.5	−5.0	73	39	759	129	97	–	–	–	–
No. of Years	30	30	30	30	30	30	30	30	30	30	19	–	–	–	–

Lydenburg 25°06′S 30°28′E 1439 m

Period 1950–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.0	14.7	29.9	10.5	36.1	6.5	75	53	92	77	12	250	60	–	< 1
February	25.7	14.5	29.9	9.9	35.0	6.6	79	53	95	110	10	232	63	–	< 1
March	24.7	12.8	28.9	8.0	31.1	4.5	77	51	60	69	9	248	65	–	1
April	22.7	10.2	27.6	4.7	30.0	1.3	78	49	59	104	6	225	65	–	1
May	20.9	6.2	25.7	1.2	28.8	−0.4	77	38	19	45	4	272	80	–	< 1
June	18.3	3.2	22.5	−1.1	25.3	−5.9	71	36	11	31	2	251	79	–	< 1
July	18.7	3.1	23.4	−1.4	26.2	−4.7	72	33	5	19	1	275	82	–	0
August	21.0	5.0	26.8	−0.3	29.6	−4.0	69	31	9	41	2	289	83	–	< 1
September	23.5	8.2	29.9	2.0	33.2	−1.2	64	32	24	48	2	284	79	–	< 1
October	24.8	11.0	31.3	5.0	33.5	0.6	67	40	57	43	8	252	64	–	1
November	24.6	13.0	30.5	8.1	33.9	4.4	71	51	118	66	13	212	53	–	1
December	24.9	14.0	29.8	9.4	33.3	6.5	75	55	119	69	13	229	54	–	1
Year	23.0	9.7	32.2*	−2.5*	36.1	−5.9	73	43	668	110	82	3019	69	–	5
No. of Years	20	20	20	20	20	20	20	20	20	20	16	8	8	–	8

Mafeking 25°51′S 25°39′E 1278 m

Period 1941–52 1958–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	17.0	35.2	12.7	39.8	7.9	64	43	108	79	12	297	71	–	< 1
February	29.8	16.8	33.9	12.7	37.2	8.8	68	45	72	95	10	264	73	–	1
March	28.0	14.9	32.5	10.2	35.3	7.5	71	47	78	99	9	269	71	–	1
April	25.3	11.4	29.8	4.9	32.8	2.6	70	43	58	63	8	267	75	–	1
May	21.9	6.4	26.6	0.3	30.0	−5.3	69	38	22	44	4	281	83	–	< 1
June	19.6	3.5	23.9	−2.6	28.3	−8.3	67	34	12	67	2	248	78	–	0
July	20.1	3.5	24.5	−2.0	27.1	−5.6	63	32	4	12	1	288	86	–	< 1
August	22.9	6.0	28.3	−0.8	31.2	−3.3	54	29	5	24	1	313	91	–	0
September	27.1	10.4	32.4	2.7	35.1	−0.5	47	24	10	57	2	313	87	–	< 1
October	28.9	13.5	34.9	5.9	37.5	1.0	50	30	42	92	6	306	78	–	< 1
November	29.6	15.3	35.3	9.6	37.8	5.2	55	35	57	51	10	272	68	–	1
December	30.3	16.5	35.2	11.3	37.7	7.2	59	40	82	101	10	297	71	–	< 1
Year	26.1	11.3	36.6*	−4.0*	39.8	−8.3	61	37	550	101	75	3415	78	–	4
No. of Years	23	23	23	23	23	23	23	23	23	23	15	12	12	–	12

*Average of highest/lowest each year

SOUTH AFRICA

Newcastle 27°45′S 29°56′E 1198 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						per cent		millimetres			hours		hours	
January	28.5	15.6	34.7	11.0	36.6	4.9	76	48	154	178	16	288	54	–	1
February	28.0	15.2	33.9	10.9	36.5	6.1	81	50	138	119	12	267	59	–	1
March	26.8	13.5	32.8	8.3	35.2	2.7	84	48	111	76	11	264	56	–	1
April	24.8	10.0	30.4	3.3	32.2	0.0	84	43	59	78	8	251	57	–	2
May	22.5	5.3	28.2	−1.3	30.2	−4.3	80	36	16	47	4	274	63	–	1
June	20.0	1.6	25.4	−4.5	28.5	−7.5	77	33	11	36	2	239	58	–	< 1
July	20.5	1.8	26.0	−4.3	29.0	−6.9	73	30	17	67	2	278	65	–	< 1
August	23.3	5.0	29.7	−2.1	32.1	−6.3	68	27	18	51	3	308	70	–	< 1
September	25.8	9.1	33.2	1.3	34.8	−4.0	65	31	37	51	6	302	62	–	2
October	27.0	12.1	35.1	5.5	38.6	−0.3	66	37	90	165	11	300	57	–	2
November	27.6	13.9	34.8	8.0	39.6	4.2	68	43	120	77	15	271	53	–	2
December	28.6	15.0	34.9	10.2	38.3	7.4	70	46	124	85	16	299	53	–	1
Year	25.3	9.8	36.7*	−5.2*	39.6	−7.5	74	39	895	178	106	3341	59	–	13
No. of Years	30	30	30	30	30	30	30	30	30	30	20	13	13	–	13

Oudtshoorn 33°35′S 22°12′E 332 m

Period 1941–66 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						per cent		millimetres			hours		hours	
January	31.8	15.6	40.0	10.2	44.2	6.4	66	38	19	107	3	–	–	–	–
February	31.5	15.4	39.7	10.0	43.4	7.2	71	39	17	35	3	–	–	–	–
March	29.6	14.2	38.7	8.1	43.1	6.0	77	42	28	40	6	–	–	–	–
April	25.7	10.4	33.8	4.5	38.4	1.8	83	45	24	33	6	–	–	–	–
May	21.8	6.8	29.5	1.5	33.9	−1.0	86	47	23	26	6	–	–	–	–
June	19.2	4.0	26.4	−1.0	29.5	−3.4	86	48	16	30	5	–	–	–	–
July	18.9	3.8	26.7	−1.0	31.2	−2.9	85	47	19	40	4	–	–	–	–
August	20.6	5.1	29.9	−0.2	32.8	−1.8	81	44	23	52	6	–	–	–	–
September	23.1	7.4	33.6	1.9	37.6	0.1	77	39	17	18	4	–	–	–	–
October	25.2	9.9	34.5	3.8	40.0	1.5	70	40	24	35	5	–	–	–	–
November	27.9	12.4	37.0	7.1	41.6	4.9	66	39	25	44	5	–	–	–	–
December	30.1	13.7	38.4	8.4	42.6	4.4	63	38	12	25	3	–	–	–	–
Year	25.5	9.9	41.4*	1.6*	44.2	−3.4	76	42	247	107	56	–	–	–	–
No. of Years	25	25	25	25	25	25	21	20	25	25	15	–	–	–	–

Pietersburg 23°52′S 29°27′E 1230 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						per cent		millimetres			hours		hours	
January	27.5	16.4	32.4	12.6	35.7	9.8	75	51	77	79	10	257	62	–	1
February	27.4	16.2	32.0	12.1	35.1	8.3	78	51	65	109	8	227	62	–	1
March	26.3	14.5	31.3	9.9	33.9	4.8	79	49	51	57	7	241	63	–	1
April	24.6	11.7	29.6	6.8	31.2	1.7	79	46	32	122	5	239	69	–	1
May	22.1	7.1	27.0	2.7	30.4	−2.6	76	40	11	57	3	272	80	–	< 1
June	19.5	4.0	24.2	0.1	26.9	−6.1	75	38	7	26	2	263	82	–	< 1
July	19.8	3.8	24.3	−0.3	27.1	−5.9	73	35	3	14	1	276	82	–	< 1
August	22.3	5.8	28.5	1.1	32.0	−2.4	68	34	2	7	1	289	83	–	< 1
September	25.1	9.5	31.7	3.9	33.9	−2.4	63	33	10	27	2	280	78	–	< 1
October	26.7	13.3	34.0	7.9	36.8	4.6	63	39	32	55	6	271	70	–	1
November	26.7	15.0	33.3	10.3	37.1	6.7	68	46	75	77	10	239	61	–	1
December	27.2	16.0	32.4	11.7	35.0	8.7	71	49	91	86	11	257	61	–	1
Year	24.6	11.1	35.1*	−1.2*	37.1	−6.1	72	43	456	122	66	3111	71	–	7
No. of Years	30	30	30	30	30	30	30	30	30	30	20	30	30	–	20

*Average of highest/lowest each year

SOUTH AFRICA

Pofadder 29°08′S 19°23′E 996 m

Period 1941–69 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.1	16.8	38.3	9.4	40.3	6.1	48	25	7	65	1	362	85	–	< 1
February	32.1	16.8	37.3	10.0	40.8	5.0	54	30	11	33	2	317	86	–	< 1
March	29.7	15.8	35.3	8.4	39.1	5.4	59	34	22	40	4	309	81	–	< 1
April	25.3	11.7	31.7	4.7	36.7	0.5	65	36	15	41	2	286	84	–	< 1
May	20.7	8.1	27.1	2.2	29.8	0.0	67	39	8	38	2	264	80	–	< 1
June	17.5	5.3	23.3	−0.4	25.0	−2.6	69	42	3	18	1	251	81	–	0
July	17.4	4.6	24.0	−1.3	30.6	−4.0	68	41	4	32	2	277	85	–	0
August	19.5	5.8	27.3	−0.4	31.9	−2.8	63	34	2	13	1	292	85	–	0
September	23.5	8.5	31.5	1.2	35.2	−1.1	56	29	5	23	1	298	83	–	< 1
October	26.5	10.4	34.0	3.3	38.7	−1.1	51	26	4	17	1	321	81	–	0
November	29.8	13.5	36.2	6.4	40.0	3.9	45	24	10	34	2	341	84	–	< 1
December	31.7	15.4	37.4	8.1	40.0	5.0	44	24	9	63	1	368	85	–	0
Year	25.6	11.1	38.7*	−1.8*	40.8	−4.0	57	32	100	65	20	3686	83	–	< 1
No. of Years	27	27	27	27	27	27	25	25	27	27	17	14	14	–	14

Port Elizabeth 33°59′S 25°36′E 60 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	25.1	16.8	31.2	11.4	39.0	8.6	77	65	39	88	9	271	63	–	1
February	25.1	17.1	31.2	11.4	40.0	8.6	80	67	34	121	9	236	63	–	1
March	24.5	16.2	33.1	9.8	40.7	7.0	84	67	45	109	11	235	62	–	1
April	22.5	13.2	32.2	7.3	38.3	4.4	84	65	51	105	10	221	66	–	1
May	21.4	10.5	30.5	4.4	35.1	−0.3	83	61	63	76	9	219	68	–	1
June	20.0	8.1	28.0	2.3	32.4	−0.5	82	56	64	70	8	210	71	–	1
July	19.4	7.7	28.4	2.1	31.9	−0.5	83	57	46	56	8	229	73	–	1
August	19.5	8.7	30.4	2.7	35.3	−0.2	83	61	66	133	10	236	70	–	1
September	19.8	10.5	31.1	4.4	37.0	1.6	81	65	70	429	9	227	64	–	2
October	20.6	12.4	29.6	5.9	39.8	3.0	78	68	57	91	11	234	59	–	1
November	22.3	14.0	29.5	8.4	40.2	5.6	76	66	52	92	11	258	63	–	1
December	23.9	15.6	29.3	10.0	35.6	6.5	74	65	39	100	9	284	64	–	< 1
Year	22.0	12.6	36.3*	1.2*	40.7	−0.5	80	64	626	429	114	2860	65	–	12
No. of Years	30	30	30	30	30	30	30	30	30	30	20	30	30	–	20

Port Nolloth 29°14′S 16°52′E 4 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	19.2	12.4	23.9	8.5	38.9	2.0	92	82	1	4	1	–	–	–	–
February	19.0	12.8	24.1	8.8	40.0	5.6	94	83	3	19	2	–	–	–	–
March	19.3	12.2	32.5	7.9	40.2	1.5	93	83	5	17	2	–	–	–	–
April	18.2	10.8	29.3	6.1	41.5	2.2	91	83	8	29	3	–	–	–	–
May	17.9	9.6	31.3	4.7	35.4	−1.1	86	80	8	21	3	–	–	–	–
June	17.9	9.2	29.8	3.9	33.8	1.0	83	76	8	24	4	–	–	–	–
July	16.9	8.1	29.2	3.0	33.8	−0.5	84	76	8	17	3	–	–	–	–
August	16.6	8.3	30.6	3.3	34.5	0.0	86	78	8	15	4	–	–	–	–
September	17.1	9.0	32.5	4.3	37.2	1.2	87	78	4	22	2	–	–	–	–
October	17.4	10.2	29.0	5.7	37.6	2.2	87	80	4	17	3	–	–	–	–
November	18.3	11.3	28.7	7.2	40.0	−1.1	87	80	2	9	2	–	–	–	–
December	18.7	12.0	24.8	8.1	39.4	1.7	91	81	2	18	1	–	–	–	–
Year	18.0	10.5	37.8*	2.1*	41.5	−1.1	88	80	61	29	30	–	–	–	–
No. of Years	30	29	30	29	30	29	29	29	30	30	20	–	–	–	–

*Average of highest/lowest each year

SOUTH AFRICA

Port Shepstone 30°44'S 30°27'E 17 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.2	20.4	30.0	16.5	33.2	13.3	82	80	136	160	14	–	–	–	–
February	26.4	20.6	29.6	16.8	34.5	14.4	83	80	101	87	12	–	–	–	–
March	25.7	19.8	29.3	15.8	33.5	13.0	84	80	155	142	12	–	–	–	–
April	24.4	17.5	27.8	13.4	32.0	10.0	81	77	82	103	10	–	–	–	–
May	23.0	14.8	27.7	10.7	31.7	8.1	74	73	58	179	6	–	–	–	–
June	21.7	12.5	26.6	8.9	31.1	5.0	66	67	43	266	4	–	–	–	–
July	21.3	12.1	26.5	8.3	30.0	3.9	68	70	28	70	5	–	–	–	–
August	21.2	13.1	27.2	8.9	39.5	6.7	74	74	41	70	5	–	–	–	–
September	21.6	15.1	26.3	10.7	34.4	4.0	79	79	73	85	10	–	–	–	–
October	22.4	16.7	26.7	12.2	35.2	9.5	81	80	133	131	14	–	–	–	–
November	23.7	18.1	27.8	13.5	32.2	5.4	81	81	113	117	16	–	–	–	–
December	25.1	19.3	29.3	14.9	37.8	11.7	82	81	116	197	14	–	–	–	–
Year	23.6	16.7	32.0*	7.4*	39.5	3.9	78	77	1079	266	122	–	–	–	–
No. of Years	30	30	30	30	30	30	29	29	30	30	20	–	–	–	–

Prieska 29°40'S 22°45'E 933 m

Period 1941–45 1950–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.3	19.2	40.5	11.9	44.6	8.3	47	19	31	77	5	340	79	–	< 1
February	34.2	18.3	39.3	11.9	41.2	8.9	56	24	35	54	5	292	80	–	< 1
March	32.0	15.6	37.5	9.1	40.7	5.6	67	29	39	31	6	287	75	–	< 1
April	26.7	10.5	32.5	3.3	34.8	0.1	79	33	36	67	4	261	77	–	< 1
May	22.1	5.3	28.1	−1.0	31.8	−3.8	85	36	15	29	3	263	80	–	1
June	18.9	1.2	24.5	−4.1	25.7	−6.4	86	38	7	21	2	237	77	–	< 1
July	19.4	0.8	25.3	−4.5	28.3	−6.3	83	36	7	30	2	268	83	–	< 1
August	22.0	3.2	29.2	−3.1	31.2	−4.4	72	30	5	20	2	303	88	–	< 1
September	26.3	7.1	33.9	0.1	36.1	−3.4	58	23	4	18	1	301	84	–	< 1
October	29.2	11.1	36.7	3.7	40.8	0.4	52	22	16	31	3	307	77	–	< 1
November	32.1	15.1	38.7	8.5	40.6	6.7	49	23	22	50	4	324	79	–	< 1
December	34.4	17.5	39.8	10.7	41.7	5.4	43	18	18	46	4	350	81	–	< 1
Year	27.7	10.4	41.1*	−5.1*	44.6	−6.4	65	27	235	77	41	3533	80	–	1
No. of Years	23	23	22	22	22	22	12	12	24	22	15	13	13	–	13

Pretoria 25°45'S 28°14'E 1369 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.9	15.8	32.4	12.1	35.7	7.9	72	49	129	87	14	268	64	–	0
February	27.5	15.6	31.4	11.9	35.3	9.6	73	50	89	85	11	241	66	–	0
March	26.2	14.0	30.5	9.6	34.7	6.1	75	49	88	92	11	255	67	–	1
April	23.9	10.5	28.0	5.0	30.8	1.5	75	44	55	79	8	258	75	–	1
May	21.2	5.8	25.3	0.9	27.6	−3.3	73	37	22	53	5	284	84	–	0
June	18.7	2.5	22.7	−2.0	25.3	−5.3	74	34	10	72	2	273	86	–	0
July	19.2	2.6	32.3	−1.7	24.9	−4.5	70	31	7	55	1	291	87	–	0
August	21.9	5.3	26.9	0.9	28.5	−3.7	61	28	5	35	2	308	88	–	0
September	25.1	9.3	30.5	3.7	33.0	−1.1	56	29	18	41	3	290	81	–	1
October	26.8	12.7	32.6	7.0	34.9	2.4	59	35	73	88	10	286	73	–	0
November	26.9	14.1	32.3	9.3	35.8	5.4	66	42	109	135	13	262	66	–	1
December	27.7	15.2	32.3	10.9	35.2	6.0	69	46	124	95	14	271	64	–	1
Year	24.4	10.3	34.0*	−2.9*	35.8	−5.3	69	39	729	135	94	3287	75	–	5
No. of Years	30	30	30	30	30	30	24	24	30	30	20	25	25	–	15

*Average of highest/lowest each year

SOUTH AFRICA

Sutherland 32°23'S 20°40'E 1459 m

Period 1941–55 1960–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.5	10.2	33.6	3.7	36.1	0.0	60	30	8	24	2	265	86	–	0
February	27.2	9.5	33.1	3.6	36.3	–0.4	67	31	14	27	3	239	86	–	0
March	24.7	8.1	31.5	1.0	34.1	–1.3	75	34	30	53	4	236	79	–	0
April	19.9	4.1	26.9	–2.4	31.1	–6.5	81	42	27	42	5	214	72	–	0
May	16.2	1.1	22.3	–5.0	24.0	–8.9	83	44	23	38	5	220	69	–	1
June	12.5	–1.2	18.1	–6.9	20.2	–12.8	86	54	37	49	7	209	65	–	1
July	12.4	–2.1	18.3	–7.9	21.2	–13.6	84	46	28	38	5	229	72	–	0
August	14.1	–1.0	21.7	–7.0	25.4	–9.7	81	43	25	35	6	238	75	–	0
September	17.6	1.0	26.0	–5.9	28.9	–11.6	76	39	15	24	3	221	75	–	0
October	20.6	3.7	28.7	–2.9	34.0	–4.9	69	36	17	36	4	236	77	–	0
November	23.6	6.5	31.0	0.3	33.3	–1.9	59	32	17	31	4	261	81	–	0
December	26.1	8.4	32.8	2.0	34.7	–1.1	54	31	11	41	2	292	82	–	0
Year	20.2	4.0	34.4*	–8.6*	36.3	–13.6	73	39	252	53	50	2860	77	–	2
No. of Years	25	25	25	25	25	25	21	11	25	25	16	11	11	–	10

Table Mountain 33°59'S 18°24'E 762 m

Period 1941–69 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	19.7	12.2	29.4	7.6	33.9	3.9	78	74	60	56	7	261	62	–	3
February	20.2	12.7	29.2	8.1	34.4	1.1	77	74	48	55	8	225	60	–	2
March	19.4	12.3	29.4	7.6	34.0	3.3	76	72	64	76	8	221	58	–	2
April	16.6	10.4	26.1	5.7	31.5	3.6	77	70	157	92	12	179	54	–	4
May	14.3	8.8	22.6	4.0	26.7	–1.1	78	75	236	123	16	145	45	–	8
June	12.7	7.5	20.5	2.6	22.5	0.6	75	74	233	125	15	126	42	–	7
July	11.9	6.3	19.9	2.0	22.8	–1.8	76	74	225	93	15	141	45	–	7
August	12.1	6.2	21.9	1.9	24.0	–0.1	79	76	213	94	17	148	44	–	7
September	13.7	7.0	24.9	2.2	30.7	–3.9	74	74	139	62	14	172	48	–	5
October	14.6	8.0	25.5	3.6	29.8	1.4	78	77	107	90	12	192	48	–	4
November	17.3	9.9	27.6	5.5	31.5	1.7	75	73	61	47	9	247	59	–	1
December	18.7	11.1	28.5	7.0	34.0	3.9	75	72	55	93	7	282	63	–	1
Year	15.9	9.4	31.7*	0.6*	34.4	–3.9	77	74	1598	125	140	2339	52	–	51
No. of Years	28	28	28	28	28	28	28	14	28	28	18	13	13	–	13

Umtata 31°35'S 28°47'E 692 m

Period 1941–50 1957–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.5	16.1	38.3	11.7	41.1	7.0	82	60	91	72	16	168	39	–	3
February	27.8	16.2	36.7	11.2	40.0	7.8	85	58	80	54	13	177	49	–	3
March	27.0	15.2	35.8	9.5	39.8	5.2	88	57	106	47	15	173	45	–	3
April	24.6	11.6	33.2	5.6	37.0	1.1	89	51	55	57	9	189	56	–	2
May	23.1	7.5	29.9	2.0	33.2	–2.2	88	43	32	65	5	190	58	–	1
June	19.0	3.7	25.3	–2.1	31.7	–5.0	85	37	17	68	2	178	58	–	1
July	21.4	3.4	28.1	–1.2	31.5	–3.3	84	37	12	29	3	202	63	–	1
August	22.7	5.8	31.9	–0.1	34.6	–2.9	82	37	27	65	4	232	68	–	1
September	23.5	9.1	34.7	2.8	38.1	–0.5	79	45	41	57	7	205	57	–	2
October	24.0	11.5	35.5	5.0	38.0	1.9	79	54	62	69	13	179	45	–	4
November	25.1	13.5	35.8	8.2	39.8	5.5	77	59	93	76	14	166	40	–	4
December	26.9	14.9	39.4	9.5	42.3	4.4	77	57	84	68	14	181	41	–	3
Year	24.4	10.7	39.6*	–2.1*	42.3	–5.0	83	50	700	76	115	2240	52	–	28
No. of Years	22	22	22	22	22	22	11	11	22	22	14	12	12	–	12

*Average of highest/lowest each year

SOUTH AFRICA

Upington 28°24'S 21°16'E 836 m

Period 1952–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.6	19.6	40.6	13.6	42.2	8.5	44	21	31	68	4	356	84	–	0
February	34.1	19.0	39.3	13.4	41.6	8.6	50	24	29	35	5	306	83	–	0
March	32.0	17.4	37.4	10.3	39.1	6.5	58	28	40	45	7	307	79	–	0
April	27.3	12.0	33.5	4.8	36.3	1.7	68	29	31	60	4	287	85	–	0
May	23.4	7.3	29.6	0.1	32.6	−2.6	71	30	12	32	3	285	86	–	0
June	20.1	4.0	25.7	−3.1	27.4	−7.9	74	31	4	10	2	268	86	–	0
July	20.6	3.2	26.5	−4.0	29.5	−7.0	67	28	3	24	1	289	88	–	0
August	22.6	4.6	30.5	−2.5	33.6	−6.7	58	24	2	7	1	312	90	–	0
September	27.0	8.5	34.7	0.8	37.1	−2.8	47	19	3	19	1	311	87	–	0
October	29.4	12.2	37.4	4.4	39.9	−1.4	46	20	12	25	3	331	84	–	0
November	32.6	16.1	39.1	9.9	42.0	7.6	43	21	23	92	4	348	86	–	0
December	34.6	18.4	40.1	12.6	41.8	5.8	43	20	18	26	5	366	85	–	0
Year	28.3	11.9	41.1*	−4.7*	42.2	−7.9	56	25	208	92	40	3766	85	–	0
No. of Years	19	19	19	19	19	19	19	19	19	19	19	19	19	–	19

Vanwyksvlei 30°21'S 21°49'E 959 m

Period 1941–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	34.6	17.9	39.6	11.6	41.7	7.2	45	20	12	54	3	361	84	–	< 1
February	33.5	17.3	38.5	11.2	41.9	5.4	51	24	22	64	3	313	84	–	< 1
March	30.6	15.1	36.4	8.5	39.6	3.8	60	29	42	71	6	310	82	–	< 1
April	25.5	10.1	31.7	3.4	35.0	0.3	66	32	25	41	3	283	84	–	< 1
May	21.2	5.8	27.6	0.0	30.9	−2.9	72	35	15	37	4	263	80	–	< 1
June	18.0	2.2	23.6	−3.3	27.2	−4.8	75	36	5	21	2	242	79	–	< 1
July	18.2	1.3	24.1	−4.2	26.6	−7.9	71	34	5	44	2	268	83	–	< 1
August	20.6	3.1	28.0	−3.0	30.8	−5.3	63	28	5	18	2	296	86	–	< 1
September	24.6	6.5	32.8	0.0	35.9	−3.2	53	23	4	13	1	304	85	–	< 1
October	27.4	10.0	35.5	3.4	39.2	0.0	47	22	10	27	2	325	82	–	< 1
November	30.8	13.8	37.4	7.3	40.6	3.9	44	21	14	36	3	350	86	–	< 1
December	33.1	16.1	38.9	9.4	41.4	4.2	43	21	12	33	2	365	84	–	< 1
Year	26.5	9.9	40.2*	−4.5*	41.9	−7.9	57	27	171	71	33	3680	83	–	< 1
No. of Years	30	30	30	30	30	30	30	30	30	30	20	15	15	–	14

Victoria West 31°24'S 23°07'E 1269 m

Period 1950–66 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.6	13.7	37.2	7.7	39.7	2.9	55	20	25	73	4	–	–	–	–
February	30.3	13.1	36.2	6.9	37.4	2.0	60	23	31	41	5	–	–	–	–
March	27.9	11.5	34.0	4.4	37.9	1.9	68	29	61	80	7	–	–	–	–
April	22.7	6.3	28.9	−0.5	33.0	−2.5	75	31	25	43	4	–	–	–	–
May	18.6	2.1	24.6	−4.3	28.0	−8.0	80	34	14	25	3	–	–	–	–
June	15.5	−1.6	21.0	−7.8	25.2	−9.8	84	37	7	15	3	–	–	–	–
July	15.7	−1.9	21.4	−7.9	23.9	−12.4	77	33	9	28	2	–	–	–	–
August	18.0	−0.3	25.2	−6.9	28.7	−11.0	67	25	5	15	2	–	–	–	–
September	22.3	3.1	29.9	−4.2	32.8	−8.1	57	21	10	40	2	–	–	–	–
October	24.8	6.5	33.2	−0.9	36.8	−4.5	51	19	15	39	3	–	–	–	–
November	27.9	10.2	35.1	2.8	37.7	−3.0	52	21	27	35	5	–	–	–	–
December	30.1	12.4	36.3	6.3	38.9	2.8	50	19	28	31	4	–	–	–	–
Year	23.8	6.3	37.9*	−9.3*	39.7	−12.4	65	26	256	80	44	–	–	–	–
No. of Years	17	17	17	17	17	17	17	17	17	17	15	–	–	–	–

*Average of highest/lowest each year

SUDAN

Atbara 17°42′N 33°58′E 348 m

Period 1941–67 Bibliography 33. 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	14.8	36.3	10.4	39.8	6.6	44	23	0	0	0	317	93	–	–
February	32.3	15.3	37.6	11.2	41.7	6.6	36	17	0	0	0	304	93	–	–
March	36.0	18.4	41.3	13.5	44.1	9.8	27	12	0	0	0	323	87	–	–
April	39.4	22.0	44.0	16.1	46.0	10.6	22	11	< 1	6	< 1	336	90	–	–
May	42.2	25.8	45.5	20.7	47.0	17.3	20	11	3	20	1	338	84	–	–
June	43.1	27.9	45.6	24.5	46.6	22.0	25	12	2	15	< 1	285	75	–	–
July	40.3	27.2	43.9	23.5	45.6	21.0	44	21	26	98	3	285	70	–	–
August	39.1	26.5	42.8	22.1	45.2	18.7	55	28	36	63	4	290	74	–	–
September	40.9	27.1	43.3	22.9	45.3	19.8	37	18	5	21	1	300	81	–	–
October	39.3	24.8	41.8	21.3	42.8	19.5	31	17	1	4	< 1	324	89	–	–
November	35.0	20.5	38.7	16.2	39.7	12.0	42	23	0	0	0	316	93	–	–
December	31.5	16.2	36.1	11.8	38.3	7.4	46	24	0	0	0	321	94	–	–
Year	37.5	22.2	45.8*	9.3*	47.0	6.6	36	18	73	98	9	3739	85	–	–
No. of Years	25	25	25	25	25	25	18	18	25	25	25	7	7	–	–

Bor 06°12′N 31°33′E 423 m

Period 1950–67 Bibliography 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of davs with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	36.1	20.5	39.7	16.8	42.4	13.1	53	33	4	14	1	–	–	–	–
February	36.7	21.1	40.5	17.4	42.4	12.4	52	31	5	15	1	–	–	–	–
March	36.5	23.1	41.1	19.6	43.2	16.1	62	39	39	66	4	–	–	–	–
April	34.7	22.8	39.1	19.8	41.3	18.2	74	49	85	91	7	–	–	–	–
May	33.1	22.6	37.2	19.7	39.9	16.9	80	57	100	105	8	–	–	–	–
June	32.0	21.9	35.6	19.6	38.0	18.0	83	59	118	80	7	–	–	–	–
July	30.7	21.1	34.1	19.0	36.0	17.0	88	65	137	95	10	–	–	–	–
August	30.8	21.1	34.3	19.0	36.2	17.0	88	65	127	90	10	–	–	–	–
September	31.9	21.3	35.2	19.0	38.3	16.5	84	60	127	65	9	–	–	–	–
October	32.9	21.5	36.1	18.7	38.6	16.0	83	57	139	111	8	–	–	–	–
November	34.5	21.5	37.4	19.4	39.9	16.5	73	46	36	52	3	–	–	–	–
December	35.1	20.5	38.2	17.6	40.7	14.5	58	37	4	14	1	–	–	–	–
Year	33.7	21.6	41.3*	15.6*	43.2	12.4	73	50	921	111	69	–	–	–	–
No. of Years	18	17	18	17	18	17	18	18	18	18	18	–	–	–	–

Dongola 19°10′N 30°29′E 228 m

Period 1950–67 Bibliography 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.8	9.5	34.3	4.8	37.0	2.5	46	24	0	0	0	–	–	–	–
February	29.8	10.4	36.4	6.0	40.4	3.0	41	20	< 1	1	< 1	–	–	–	–
March	33.8	14.4	40.9	8.7	44.7	3.5	33	16	0	0	0	–	–	–	–
April	38.6	18.5	44.7	11.9	47.2	10.0	26	12	0	0	0	–	–	–	–
May	41.8	22.9	46.4	17.6	48.1	13.5	24	13	0	0	0	–	–	–	–
June	43.3	24.9	46.9	20.5	48.7	17.0	25	13	2	17	< 1	–	–	–	–
July	42.0	25.2	44.9	21.5	47.1	19.0	33	18	7	32	1	–	–	–	–
August	41.5	26.1	44.8	22.3	47.2	19.1	41	21	17	40	2	–	–	–	–
September	41.2	24.5	44.4	20.4	47.1	14.5	34	18	< 1	3	< 1	–	–	–	–
October	38.5	21.0	42.9	15.2	44.6	10.0	35	18	< 1	3	< 1	–	–	–	–
November	33.1	15.6	38.1	10.8	40.2	6.0	42	23	< 1	3	< 1	–	–	–	–
December	29.0	10.9	35.1	6.2	37.6	3.7	49	27	0	0	0	–	–	–	–
Year	36.7	18.7	47.3*	4.3*	48.7	2.5	36	19	26	40	3	–	–	–	–
No. of Years	18	18	18	18	18	18	18	18	18	18	18	–	–	–	–

*Average of highest/lowest each year

SUDAN

El Fasher 13°38′N 25°20′E 730 m

Period 1941–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.7	9.4	35.7	4.8	37.4	1.4	38	20	0	0	0	320	90	–	–
February	32.3	10.9	37.2	5.9	40.0	1.3	31	15	0	0	0	299	90	–	–
March	35.4	15.1	39.5	8.7	42.3	5.0	27	15	< 1	5	< 1	305	82	–	–
April	37.6	17.8	41.1	12.2	43.0	7.6	23	13	1	18	< 1	304	81	–	–
May	38.6	21.0	41.5	15.7	43.4	13.3	30	15	9	25	2	315	80	–	–
June	38.1	22.8	41.2	18.4	44.5	16.2	50	23	18	38	3	274	71	–	–
July	34.6	22.3	38.7	19.1	41.7	17.5	71	39	85	128	10	240	60	–	–
August	32.1	21.3	36.2	18.1	38.6	13.7	81	51	138	78	13	235	60	–	–
September	34.8	20.4	37.5	17.3	39.5	14.9	70	36	32	39	5	265	72	–	–
October	35.9	18.3	38.0	13.9	39.8	10.3	46	23	7	20	1	307	83	–	–
November	33.2	13.3	36.6	8.6	39.3	5.1	38	20	0	0	0	320	93	–	–
December	30.8	9.9	35.1	5.5	37.5	1.3	41	21	0	0	0	319	91	–	–
Year	34.5	16.9	42.0*	3.7*	44.5	1.3	45	24	290	128	34	3503	79	–	–
No. of Years	24	24	24	24	24	24	18	18	24	24	24	12	12	–	–

El Obeid 13°10′N 30°14′E 575 m

Period 1941–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.7	13.4	35.9	9.3	38.6	6.5	29	15	0	0	0	323	91	–	–
February	32.2	14.5	37.7	9.5	40.7	4.4	22	12	< 1	4	< 1	298	90	–	–
March	35.7	18.2	40.6	12.7	42.9	9.0	17	10	< 1	6	< 1	308	83	–	–
April	38.0	21.0	41.9	16.1	45.2	13.8	19	11	2	11	1	308	83	–	–
May	39.0	23.9	42.1	19.6	44.3	17.2	32	17	13	61	2	301	76	–	–
June	37.3	24.3	40.5	20.8	42.4	19.1	54	29	27	42	5	250	65	–	–
July	33.2	22.9	37.4	19.5	40.0	18.4	73	46	120	97	11	229	58	–	–
August	31.1	21.8	34.7	19.1	37.4	17.5	83	59	152	78	13	208	53	–	–
September	33.6	21.5	37.0	18.9	39.6	17.1	73	45	70	56	7	249	68	–	–
October	36.1	21.2	38.3	17.9	39.7	14.5	47	24	21	58	3	292	79	–	–
November	33.9	18.0	37.1	13.4	38.4	9.2	28	17	0	0	< 1	317	92	–	–
December	31.0	14.1	35.5	10.1	37.6	5.8	30	17	0	0	0	330	94	–	–
Year	34.3	19.6	42.4*	8.2*	45.2	4.4	42	25	405	97	42	3413	78	–	–
No. of Years	25	25	25	25	25	25	18	18	25	25	25	12	12	–	–

Er Roseires 11°51′N 34°23′E 465 m

Period 1941–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	36.2	16.2	40.0	12.6	42.1	8.8	44	21	0	0	0	–	–	–	–
February	37.3	17.8	41.2	13.6	43.7	9.3	37	19	< 1	2	< 1	–	–	–	–
March	40.0	20.5	43.5	15.2	44.6	12.0	31	16	1	8	< 1	–	–	–	–
April	40.4	23.0	43.3	17.8	45.2	12.6	34	20	10	35	2	–	–	–	–
May	38.4	24.3	42.0	20.4	44.2	18.3	49	28	50	59	6	–	–	–	–
June	34.4	22.6	39.2	19.3	42.0	18.0	69	43	132	69	12	–	–	–	–
July	31.1	21.5	35.1	19.3	36.8	17.9	81	58	150	72	14	–	–	–	–
August	30.4	21.0	33.5	19.4	36.4	18.3	87	65	207	98	17	–	–	–	–
September	32.2	20.9	35.6	19.3	39.7	18.0	83	56	129	67	11	–	–	–	–
October	35.5	20.4	38.4	18.0	40.5	15.5	73	41	39	55	4	–	–	–	–
November	37.4	18.6	39.5	14.8	40.7	10.5	53	25	4	31	1	–	–	–	–
December	36.2	16.6	39.4	13.2	41.7	9.5	45	22	0	0	0	–	–	–	–
Year	35.8	20.3	43.9*	11.1*	45.2	8.8	57	35	722	98	67	–	–	–	–
No. of Years	25	25	25	25	25	25	18	18	25	25	24	–	–	–	–

*Average of highest/lowest each year

SUDAN

Juba 04°51′N 31°37′E 458 m

Period 1941–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	36.9	19.7	39.7	15.9	41.3	11.4	49	24	3	19	1	291	80	–	–
February	37.2	21.1	40.5	17.1	42.3	12.2	48	24	6	23	2	235	70	–	–
March	36.8	22.9	41.1	19.1	42.5	16.6	61	34	50	55	8	221	59	–	–
April	34.7	23.0	39.1	20.2	42.0	19.0	73	48	97	75	11	197	54	–	–
May	32.9	22.2	36.5	19.7	38.4	18.7	79	56	159	109	13	243	62	–	–
June	31.8	21.8	35.0	19.4	38.2	17.3	82	57	109	65	11	223	60	–	–
July	30.4	20.6	33.7	19.1	35.5	17.9	87	61	137	86	13	184	48	–	–
August	30.4	20.5	33.4	18.7	36.8	17.6	88	63	152	92	13	213	56	–	–
September	32.0	20.5	34.7	18.7	37.0	17.5	84	56	118	78	11	229	63	–	–
October	33.2	20.7	36.0	18.7	39.0	16.9	82	53	116	116	11	236	64	–	–
November	34.5	20.3	37.1	17.5	39.6	14.4	74	43	42	55	7	233	66	–	–
December	35.5	19.6	38.1	16.5	40.2	14.0	62	32	8	21	3	283	77	–	–
Year	33.9	21.1	41.4*	10.3*	42.5	11.4	72	46	997	116	104	2788	63	–	–
No. of Years	25	25	25	25	25	25	18	18	25	25	25	11	11	–	–

Kadugli 11°00′N 29°43′E 500 m

Period 1944–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	35.6	17.0	39.2	13.0	40.3	10.0	34	23	0	0	0	–	–	–	–
February	36.5	18.7	40.6	14.5	42.3	11.8	30	21	< 1	3	< 1	–	–	–	–
March	39.4	21.2	42.6	17.0	44.3	13.7	31	23	3	16	< 1	–	–	–	–
April	39.8	22.7	42.7	18.3	45.1	14.8	37	24	16	45	2	–	–	–	–
May	38.3	23.1	41.8	19.1	44.2	16.1	52	32	87	88	7	–	–	–	–
June	35.0	22.3	38.4	19.3	41.6	16.8	67	44	115	87	9	–	–	–	–
July	32.0	21.5	35.9	19.3	40.7	17.6	76	55	145	78	12	–	–	–	–
August	31.0	21.1	34.1	18.9	37.2	17.2	82	62	171	90	13	–	–	–	–
September	32.5	20.7	35.1	18.5	39.2	16.3	82	57	148	90	10	–	–	–	–
October	34.3	20.0	37.3	16.2	41.4	10.6	73	46	86	136	7	–	–	–	–
November	36.5	18.1	38.8	13.9	41.0	11.4	44	28	1	12	< 1	–	–	–	–
December	35.6	17.0	38.9	13.1	40.6	10.2	35	25	0	0	0	–	–	–	–
Year	35.5	20.3	43.1*	11.9*	45.1	10.0	54	37	772	136	60	–	–	–	–
No. of Years	22	22	22	22	22	22	18	18	22	22	21	–	–	–	–

Kassala 15°28′N 36°24′E 501 m

Period 1944–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.4	16.0	39.0	11.0	41.5	5.4	60	25	0	0	0	312	89	–	–
February	35.5	16.3	40.2	11.0	43.1	6.2	55	23	0	0	0	293	90	–	–
March	38.6	19.1	42.9	13.2	44.8	9.4	45	18	< 1	2	< 1	316	85	–	–
April	40.9	22.2	44.2	15.3	45.2	11.8	35	16	4	20	1	323	87	–	–
May	41.9	24.8	44.6	18.5	46.5	15.0	33	17	10	39	1	325	82	–	–
June	39.9	25.2	43.3	21.1	44.1	18.4	47	25	26	56	3	310	77	–	–
July	35.3	23.3	39.5	20.1	41.7	18.7	66	42	107	78	10	259	65	–	–
August	33.3	22.5	36.5	19.9	40.3	18.7	72	51	105	81	11	244	63	–	–
September	36.1	22.9	39.5	19.6	42.3	18.0	65	39	53	91	6	291	80	–	–
October	38.9	23.0	40.9	19.3	43.0	12.5	49	25	9	25	1	316	86	–	–
November	37.3	20.4	39.9	14.9	40.8	10.5	48	24	4	15	1	305	89	–	–
December	34.9	17.0	38.5	11.6	40.0	7.4	57	26	0	0	0	310	89	–	–
Year	37.3	21.1	44.9*	9.3*	46.5	5.4	53	28	318	91	34	3604	82	–	–
No. of Years	22	22	22	22	22	22	18	18	22	22	22	12	12	–	–

*Average of highest/lowest each year

SUDAN

Khartoum 15°36′N 32°33′E 380 m

Period 1944–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	16.0	36.7	11.0	38.7	7.0	35	21	0	0	0	329	94	–	–
February	32.9	16.7	38.5	12.0	40.9	7.6	28	16	0	0	0	313	93	–	–
March	36.8	20.1	42.1	14.7	44.6	11.6	22	13	0	0	0	323	86	–	–
April	39.9	23.2	44.1	17.7	45.6	14.2	20	13	1	12	< 1	325	87	–	–
May	41.7	26.3	44.9	21.9	46.6	18.5	25	14	7	25	1	322	81	–	–
June	41.4	27.1	44.7	23.1	46.5	17.0	39	18	5	57	1	302	77	–	–
July	37.7	25.6	42.1	21.6	45.9	19.9	59	31	56	83	6	268	67	–	–
August	35.7	24.7	39.8	20.8	42.6	18.2	70	42	80	66	8	267	68	–	–
September	38.0	25.4	41.4	20.9	44.0	19.0	57	30	28	26	3	287	79	–	–
October	39.0	25.2	41.3	21.7	42.6	18.7	37	20	2	2	1	319	87	–	–
November	35.3	21.1	39.2	16.1	40.4	12.8	33	21	0	0	0	324	95	–	–
December	32.1	16.9	36.8	12.3	39.0	6.0	39	23	0	0	0	328	94	–	–
Year	36.8	22.4	45.5*	10.0*	46.6	6.0	39	22	179	83	20	3707	84	–	–
No. of Years	22	22	22	22	22	22	18	18	22	22	22	16	16	–	–

Kosti 13°10′N 32°40′E 382 m

Period 1950–67 Bibliography 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	33.0	16.5	38.3	12.9	40.3	10.4	40	23	0	0	0	327	92	–	–
February	34.5	17.5	39.6	14.2	42.2	10.6	33	19	0	0	0	296	90	–	–
March	38.5	20.5	43.1	16.2	44.8	12.4	27	15	< 1	7	< 1	317	85	–	–
April	40.6	22.7	43.9	17.9	45.1	15.5	26	14	3	24	1	308	83	–	–
May	40.8	25.0	43.9	20.8	46.0	19.0	41	21	14	35	3	310	79	–	–
June	38.1	24.9	41.9	21.1	43.0	18.4	58	32	40	55	6	253	65	–	–
July	34.2	23.1	38.6	20.4	41.3	19.3	75	47	120	193	13	222	56	–	–
August	31.8	22.4	35.6	20.2	39.0	19.0	84	60	163	90	15	215	55	–	–
September	34.3	22.4	37.9	20.1	39.7	19.0	77	49	69	91	7	248	68	–	–
October	37.2	22.7	40.1	20.0	41.6	18.0	59	32	15	53	4	292	78	–	–
November	36.1	20.9	39.7	17.4	40.8	13.1	40	24	1	7	< 1	314	91	–	–
December	33.1	17.5	37.9	14.0	39.6	10.2	41	25	0	0	0	325	93	–	–
Year	36.0	21.3	44.4*	12.1	46.0	10.2	50	30	425	193	49	3427	78	–	–
No. of Years	18	18	18	18	18	18	18	18	18	18	18	9	9	–	–

Malakal 09°33′N 31°39′E 389 m

Period 1941–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.7	18.7	39.1	15.5	40.7	12.7	30	18	0	0	0	307	85	–	–
February	36.9	20.0	40.3	16.4	42.6	11.8	27	16	< 1	3	< 1	268	81	–	–
March	38.7	22.3	41.7	18.6	43.0	16.6	30	17	6	66	1	275	74	–	–
April	38.3	23.9	41.5	20.3	42.9	18.4	48	28	22	47	3	254	68	–	–
May	35.6	23.4	39.7	20.3	41.7	19.2	67	43	101	70	8	240	62	–	–
June	32.8	22.2	37.0	19.9	39.4	18.2	77	53	107	72	9	159	42	–	–
July	30.7	21.7	34.5	19.7	36.4	18.3	85	63	146	98	13	153	39	–	–
August	30.5	21.6	33.5	19.7	34.9	18.0	87	65	168	88	15	168	44	–	–
September	31.6	21.9	34.6	19.5	38.0	18.5	85	62	132	95	11	178	49	–	–
October	33.3	21.9	35.9	19.5	38.5	17.0	79	52	85	117	8	223	60	–	–
November	34.9	19.9	37.0	16.0	39.0	13.4	55	30	7	37	1	274	80	–	–
December	35.0	18.1	37.7	15.1	40.3	12.5	39	20	< 1	5	< 1	312	87	–	–
Year	34.5	21.3	42.1*	14.1*	43.0	11.8	59	39	774	117	69	2811	64	–	–
No. of Years	22	22	22	22	22	22	15	15	25	25	25	14	14	–	–

---

*Average of highest/lowest each year

SUDAN

Port Sudan 19°31′N 37°13′E 5 m

Period 1941–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.3	19.0	29.8	15.4	33.8	10.0	71	67	5	39	1	207	60	–	–
February	27.3	19.0	29.8	15.2	32.2	13.0	69	68	< 1	5	< 1	233	72	–	–
March	28.6	19.5	32.0	15.4	35.2	13.6	66	64	< 1	1	< 1	281	76	–	–
April	31.4	21.1	35.3	16.6	39.6	14.0	60	60	< 1	2	< 1	313	83	–	–
May	35.1	23.3	40.4	19.2	44.2	17.0	51	54	2	19	1	341	84	–	–
June	38.6	25.2	44.4	22.0	47.2	20.4	41	45	< 1	4	< 1	300	76	–	–
July	40.8	28.0	45.7	24.0	47.3	22.2	43	45	9	32	1	293	75	–	–
August	41.2	29.4	45.3	25.8	47.5	21.2	43	45	2	12	< 1	299	76	–	–
September	37.7	26.9	42.6	23.8	46.1	21.6	54	54	< 1	0	< 1	302	81	–	–
October	33.7	24.9	37.2	21.9	41.0	20.0	70	64	6	18	1	307	84	–	–
November	31.1	23.8	33.4	20.5	34.7	17.6	73	68	57	111	6	251	74	–	–
December	28.6	21.4	30.6	17.9	32.2	14.0	72	68	23	106	3	213	63	–	–
Year	33.5	23.5	46.1*	14.1*	47.5	10.0	59	59	104	111	13	3340	75	–	–
No. of Years	25	25	25	25	25	25	18	18	25	25	24	12	12	–	–

Raga 08°28′N 25°41′E 545 m

Period 1941–43 1950–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.8	11.6	38.3	8.0	40.1	3.1	59	23	0	0	0	–	–	–	–
February	35.9	13.9	39.5	9.3	42.8	4.0	50	19	2	11	< 1	–	–	–	–
March	37.7	17.5	41.0	11.2	43.0	8.5	53	22	15	30	2	–	–	–	–
April	37.3	20.8	40.6	15.2	42.0	13.7	68	32	60	79	6	–	–	–	–
May	34.7	21.5	38.7	18.8	40.0	15.5	80	46	125	68	11	–	–	–	–
June	32.1	20.6	35.7	18.5	37.7	17.5	87	56	198	90	12	–	–	–	–
July	30.4	20.3	33.2	18.7	34.5	17.5	90	64	210	144	15	–	–	–	–
August	30.0	19.9	32.7	18.2	35.5	13.5	92	65	290	99	18	–	–	–	–
September	31.3	20.2	33.7	18.4	36.4	17.3	91	60	219	161	14	–	–	–	–
October	32.9	19.4	35.6	16.6	37.0	14.0	88	51	95	100	8	–	–	–	–
November	34.5	15.6	36.7	10.7	38.7	8.2	79	33	6	13	1	–	–	–	–
December	34.3	12.2	37.3	8.3	39.0	3.6	67	24	< 1	1	< 1	–	–	–	–
Year	33.8	17.8	41.1*	6.9*	43.0	3.1	75	41	1220	161	87	–	–	–	–
No. of Years	19	17	19	17	19	17	16	5	20	20	20	–	–	–	–

Sennar 13°33′N 33°37′E 419 m

Period 1941–43 1950–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.5	15.3	38.7	11.1	41.3	8.0	39	23	0	0	0	–	–	–	–
February	35.8	16.1	40.1	11.6	42.6	7.0	31	18	0	0	0	–	–	–	–
March	38.9	19.0	43.1	13.3	44.8	9.7	26	17	1	15	< 1	–	–	–	–
April	40.8	21.7	43.9	16.7	45.5	12.4	25	16	4	38	< 1	–	–	–	–
May	40.9	24.4	44.0	20.0	46.4	18.8	34	19	16	38	2	–	–	–	–
June	38.6	23.8	42.0	19.9	45.5	18.0	51	30	53	73	5	–	–	–	–
July	34.4	22.1	38.7	19.2	41.0	15.0	69	43	148	90	11	–	–	–	–
August	32.5	21.3	36.3	18.9	39.0	14.5	76	54	173	102	12	–	–	–	–
September	34.6	21.3	37.9	19.2	40.5	16.1	70	45	58	57	5	–	–	–	–
October	37.6	21.7	40.1	18.9	41.2	16.0	55	33	36	60	3	–	–	–	–
November	37.3	21.7	39.8	15.5	41.2	16.0	39	25	< 1	1	< 1	–	–	–	–
December	34.6	16.2	38.3	12.1	40.1	8.8	38	25	0	0	0	–	–	–	–
Year	36.7	20.2	44.4*	10.1*	46.4	7.0	46	29	489	102	38	–	–	–	–
No. of Years	20	20	20	20	20	20	17	10	21	21	21	–	–	–	–

*Average of highest/lowest each year

SUDAN

Torit 04°25′N 32°33′E 625 m

Period 1950–66 Bibliography 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*			*millimetres*		*hours*		*hours*	
January	36.6	18.3	39.7	14.5	43.5	5.3	57	25	4	7	1	–	–	–	–
February	36.5	19.5	39.9	15.7	40.8	8.6	55	25	13	17	3	–	–	–	–
March	36.2	21.1	40.6	18.0	42.0	10.2	61	33	51	57	6	–	–	–	–
April	33.9	21.2	38.6	18.6	41.0	16.4	73	46	102	54	10	–	–	–	–
May	33.0	20.5	36.3	18.3	38.0	14.7	79	51	108	57	11	–	–	–	–
June	31.9	20.1	35.0	18.1	36.4	17.1	81	54	103	88	10	–	–	–	–
July	30.4	19.5	33.5	17.7	35.4	16.6	88	61	170	102	13	–	–	–	–
August	30.4	19.4	33.3	17.3	35.6	15.4	87	61	137	51	13	–	–	–	–
September	31.9	19.3	34.8	17.2	38.0	16.0	83	52	121	102	10	–	–	–	–
October	33.1	19.4	36.1	17.0	38.9	14.7	80	47	102	63	10	–	–	–	–
November	34.3	18.7	36.8	16.1	38.8	13.7	73	41	62	37	8	–	–	–	–
December	34.9	18.4	37.5	15.6	39.5	13.8	68	34	28	52	4	–	–	–	–
Year	33.6	19.6	41.1*	13.4*	43.5	5.3	74	44	1001	102	99	–	–	–	–
No. of Years	16	16	16	16	16	16	16	16	16	16	16	–	–	–	–

Wadi Halfa 21°55′N 31°20′E 125 m

Period 1941–64 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*			*millimetres*		*hours*		*hours*	
January	24.9	8.3	32.9	4.1	35.8	1.0	49	23	0	3	< 1	314	93	–	–
February	27.1	9.5	35.0	5.0	41.2	2.8	41	19	< 1	1	< 1	294	92	–	–
March	31.4	13.3	39.7	7.8	44.0	4.4	31	14	0	0	0	321	86	–	–
April	36.5	17.9	44.2	11.7	47.0	8.2	24	11	0	0	0	326	86	–	–
May	40.3	22.2	46.4	16.5	48.7	13.2	22	12	1	5	< 1	351	86	–	–
June	41.7	23.6	46.3	19.9	49.0	17.0	23	12	0	0	0	357	89	–	–
July	41.6	24.5	45.1	21.4	47.0	20.0	25	14	1	19	< 1	363	88	–	–
August	41.8	25.5	44.8	22.0	47.6	20.4	31	17	< 1	7	< 1	349	88	–	–
September	39.9	23.3	44.0	19.5	47.2	16.8	32	16	0	0	0	325	88	–	–
October	37.3	20.3	42.6	15.2	44.4	12.2	36	17	1	12	< 1	333	92	–	–
November	31.2	15.0	37.1	9.7	41.1	1.7	44	22	< 1	1	< 1	314	94	–	–
December	26.8	10.5	33.7	5.9	38.0	3.0	53	28	< 1	6	< 1	317	93	–	–
Year	35.0	17.8	47.3*	3.5*	49.0	1.0	34	17	3	19	< 1	3964	90	–	–
No. of Years	22	22	22	22	22	22	15	15	22	22	22	13	13	–	–

Wau 07°42′N 28°01′E 435 m

Period 1942–67 Bibliography 33, 90	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*			*millimetres*		*hours*		*hours*	
January	35.9	17.8	38.9	14.2	40.7	9.3	49	17	< 1	6	< 1	303	83	–	–
February	36.9	19.3	40.1	15.5	41.7	11.3	42	15	5	42	< 1	275	73	–	–
March	38.0	22.1	41.2	17.2	43.0	12.6	52	22	15	28	3	257	69	–	–
April	37.0	23.6	40.3	19.4	42.0	16.6	65	34	73	88	6	234	66	–	–
May	34.7	23.1	38.6	19.9	39.9	15.5	75	45	140	97	11	248	65	–	–
June	32.6	22.0	35.8	19.8	37.6	18.8	82	54	163	104	12	214	60	–	–
July	30.9	21.3	34.0	19.4	35.2	18.4	87	60	197	100	16	180	46	–	–
August	30.6	21.1	33.6	19.4	34.8	18.6	89	61	211	119	17	191	50	–	–
September	32.2	21.2	34.7	19.4	36.4	17.6	86	55	163	99	15	206	56	–	–
October	33.7	21.1	36.6	19.2	39.2	17.0	82	48	134	101	11	227	61	–	–
November	35.1	19.9	37.5	16.5	39.9	11.4	69	31	13	34	2	265	76	–	–
December	35.4	18.0	37.9	14.6	40.0	10.6	55	21	< 1	3	< 1	303	85	–	–
Year	34.4	20.9	41.4*	13.1*	43.0	9.3	69	39	1114	119	93	2903	66	–	–
No. of Years	24	24	24	24	24	24	18	18	24	24	24	11	11	–	–

*Average of highest/lowest each year

SWAZILAND

Mbabane 26°20'S 31°09'E 1145 m

Period 1941–50 1957–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	25.0	15.1	31.3	11.1	33.4	8.6	81	–	228	123	14	–	–	–	–
February	24.8	14.9	30.5	10.4	33.3	6.4	83	–	213	145	13	–	–	–	–
March	23.7	13.9	30.1	8.8	33.5	6.2	85	–	147	58	14	–	–	–	–
April	22.7	11.6	29.5	5.9	33.3	3.8	78	–	101	75	12	–	–	–	–
May	21.1	7.7	27.1	2.3	29.4	−1.3	73	–	28	62	5	–	–	–	–
June	19.1	4.7	25.2	−0.8	26.0	−4.2	68	–	16	97	3	–	–	–	–
July	19.9	5.1	26.3	−1.1	27.2	−6.1	70	–	21	66	6	–	–	–	–
August	21.4	7.1	28.9	0.9	31.7	−5.0	72	–	31	48	3	–	–	–	–
September	23.0	10.0	31.4	2.7	37.2	−1.0	66	–	62	59	9	–	–	–	–
October	23.1	13.4	32.9	6.2	35.6	−1.0	71	–	129	79	13	–	–	–	–
November	24.0	13.4	31.7	8.0	35.6	5.5	79	–	166	77	16	–	–	–	–
December	25.0	14.5	31.8	9.9	36.1	6.6	78	–	195	62	14	–	–	–	–
Year	22.7	10.9	34.1*	−1.9*	37.2	−6.1	75	–	1337	145	122	–	–	–	–
No. of Years	18	17	18	17	18	17	5	–	18	18	5	–	–	–	–

Wissellrode 26°52'S 31°56'E 155 m

Period 1953–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	32.5	20.6	38.3	15.8	40.6	12.0	73	49	77	113	6	–	–	–	–
February	32.2	20.6	37.6	15.9	40.5	11.8	76	49	78	85	7	–	–	–	–
March	31.1	19.0	36.6	13.6	40.0	9.5	79	48	52	55	8	–	–	–	–
April	29.0	16.0	35.8	9.7	38.5	5.5	82	46	37	51	6	–	–	–	–
May	27.5	11.3	33.1	5.0	36.5	1.4	85	41	23	85	2	–	–	–	–
June	25.0	6.6	30.7	0.6	33.0	−3.8	85	37	12	53	2	–	–	–	–
July	25.4	6.7	31.2	1.4	35.0	−3.2	84	35	10	29	3	–	–	–	–
August	27.2	9.9	34.7	3.1	39.0	0.0	77	35	18	35	3	–	–	–	–
September	28.6	13.6	37.5	6.5	44.0	2.0	73	39	28	51	4	–	–	–	–
October	29.2	16.5	38.7	10.1	42.2	5.0	71	44	66	42	7	–	–	–	–
November	29.5	18.6	38.5	12.9	41.5	7.8	74	50	80	96	8	–	–	–	–
December	31.3	19.9	37.9	14.5	42.3	9.5	72	50	65	115	4	–	–	–	–
Year	29.0	14.9	40.9*	−0.1*	44.0	−3.8	78	44	546	115	60	–	–	–	–
No. of Years	17	17	17	17	17	17	15	15	17	17	9	–	–	–	–

---

*Average of highest/lowest each year

TANZANIA

Amani 05°06′S 38°38′E 911 m

Period 1941–66 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.8	17.4	29.9	14.9	32.6	6.8	85	68	82	94	11	198	–	–	–
February	28.4	17.4	30.6	15.1	32.8	13.1	84	65	73	70	9	190	–	–	–
March	27.9	17.8	30.0	15.4	32.5	13.6	87	71	165	95	16	183	–	–	–
April	25.5	17.9	28.0	15.7	30.6	13.6	91	81	320	113	25	129	–	–	–
May	23.6	17.0	25.9	14.5	29.4	12.3	89	83	296	180	23	115	–	–	–
June	22.6	15.5	24.5	12.9	25.4	10.8	87	79	107	65	16	135	–	–	–
July	21.7	14.5	23.6	11.8	25.8	10.1	88	80	96	73	19	118	–	–	–
August	21.9	14.2	24.1	11.5	26.1	10.0	90	78	97	90	18	115	–	–	–
September	22.9	14.5	25.1	12.0	26.6	10.0	89	77	107	78	15	120	–	–	–
October	24.2	15.4	26.8	12.2	29.0	10.7	88	75	162	94	16	146	–	–	–
November	25.9	16.7	28.6	13.3	31.1	9.8	87	77	187	189	16	162	–	–	–
December	27.1	17.1	29.6	14.5	31.8	7.7	86	73	165	100	17	186	–	–	–
Year	25.0	16.3	31.1*	10.7*	32.8	6.8	88	76	1857	189	201	1797	–	–	–
No. of Years	26	26	18	18	18	18	26	26	26	18	15	23	–	–	–

Arusha 03°20′S 36°37′E 1387 m

Period 1941–70 Bibliography 55, 56, 57, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.–mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.7	13.3	30.4	10.0	32.2	7.8	81	52	69	53	–	–	–	–	–
February	28.2	13.7	31.0	10.4	32.9	6.4	83	51	80	95	–	–	–	–	–
March	27.4	14.9	30.0	11.7	32.7	9.4	86	58	135	109	–	–	–	–	–
April	25.0	15.6	28.0	12.8	31.6	9.4	92	66	341	191	–	–	–	–	–
May	23.1	14.7	25.8	11.4	27.6	9.0	91	70	136	71	–	–	–	–	–
June	21.9	12.6	24.6	7.9	27.8	5.3	88	65	19	40	–	–	–	–	–
July	21.5	11.8	24.3	7.5	26.7	5.2	88	63	13	32	–	–	–	–	–
August	22.7	12.1	25.8	7.8	28.9	5.0	83	57	13	17	–	–	–	–	–
September	24.9	12.6	28.1	8.6	33.7	4.7	82	51	13	22	–	–	–	–	–
October	26.8	13.4	29.3	9.3	31.7	6.8	81	47	23	38	–	–	–	–	–
November	27.0	14.1	30.0	10.6	32.8	8.9	83	53	114	149	–	–	–	–	–
December	27.0	13.8	29.7	10.4	33.4	9.0	83	56	116	94	–	–	–	–	–
Year	25.3	13.5	31.8*	6.7*	33.7	4.7	85	57	1072	191	–	–	–	–	–
No. of Years	24	24	22	22	22	22	24	23	30	22	–	–	–	–	–

Biharamulo 02°38′S 31°19′E 1471 m

Period 1949–55 Bibliography 56	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.7	16.7	29.1	14.3	31.1	13.3	81	69	71	26	9	–	–	–	–
February	25.7	16.5	29.1	14.4	30.0	13.9	80	67	81	75	10	–	–	–	–
March	25.5	16.8	29.1	13.5	30.7	11.1	81	67	124	51	13	–	–	–	–
April	25.1	16.4	27.6	14.9	28.4	14.4	85	70	169	72	14	–	–	–	–
May	24.8	16.2	27.1	14.4	28.0	13.3	80	67	85	41	11	–	–	–	–
June	25.7	15.6	28.1	13.1	29.4	10.6	66	53	6	28	1	–	–	–	–
July	26.2	15.2	28.9	13.1	31.3	11.1	64	53	4	16	< 1	–	–	–	–
August	26.9	16.2	28.8	14.4	30.1	13.9	64	51	20	32	2	–	–	–	–
September	26.7	16.5	29.2	14.7	30.0	14.4	72	59	27	22	7	–	–	–	–
October	26.8	16.9	30.0	14.9	30.6	14.0	68	59	64	27	8	–	–	–	–
November	25.6	16.6	28.8	15.0	30.6	14.4	76	66	81	33	12	–	–	–	–
December	25.0	16.4	28.4	14.2	29.7	10.4	80	70	102	41	14	–	–	–	–
Year	25.8	16.3	30.8*	12.2*	31.3	10.4	75	63	834	75	101	–	–	–	–
No. of Years	6	6	6	6	6	6	6	6	6	6	6	–	–	–	–

---

*Average of highest/lowest each year

TANZANIA

Bukoba 01°20’S 31°49’E 1137 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.5	15.9	28.8	13.6	32.0	11.1	85	69	146	115	13	–	–	–	–
February	26.6	16.1	28.6	14.0	29.7	12.3	85	69	160	116	13	–	–	–	–
March	26.5	16.2	28.5	14.2	31.3	10.6	85	69	226	75	19	–	–	–	–
April	25.9	16.6	27.8	14.9	31.1	13.4	86	72	393	128	22	–	–	–	–
May	25.7	16.6	27.3	15.0	30.1	13.4	84	72	315	125	17	–	–	–	–
June	25.8	15.7	27.1	13.8	31.1	12.2	77	67	73	75	7	–	–	–	–
July	25.4	15.0	27.2	12.7	30.6	10.6	75	64	55	106	5	–	–	–	–
August	25.5	15.3	27.4	12.6	29.2	5.8	79	67	74	55	8	–	–	–	–
September	25.9	15.6	28.0	13.2	30.0	11.1	81	68	117	58	12	–	–	–	–
October	26.1	16.1	28.2	13.9	29.3	10.6	81	68	148	64	15	–	–	–	–
November	26.1	16.4	28.3	14.6	30.2	11.1	82	70	194	72	17	–	–	–	–
December	26.0	16.0	28.1	14.2	30.3	13.2	84	70	191	56	16	–	–	–	–
Year	26.0	16.0	29.8*	11.6*	32.0	5.8	82	69	2092	128	164	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

Dar es Salaam 06°53’S 39°12’E 58 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.2	24.2	33.5	20.9	35.0	18.1	81	69	61	61	8	233	–	–	–
February	31.6	23.8	33.9	20.9	35.2	18.4	82	68	81	88	8	221	–	–	–
March	31.9	23.2	34.2	21.3	35.0	19.6	84	70	115	95	12	217	–	–	–
April	30.6	22.7	33.2	20.9	35.0	19.6	89	75	286	137	20	159	–	–	–
May	29.8	21.4	31.8	18.9	32.9	16.2	87	68	183	95	13	223	–	–	–
June	29.3	19.4	31.0	16.7	33.0	14.4	86	60	31	58	7	219	–	–	–
July	28.8	18.6	30.4	15.8	31.8	13.7	87	58	29	55	6	220	–	–	–
August	29.2	18.4	31.0	15.8	31.9	12.8	86	57	26	45	5	270	–	–	–
September	29.7	18.8	31.9	16.6	33.8	14.3	81	58	32	45	6	255	–	–	–
October	30.3	20.0	32.6	17.4	33.7	15.8	77	61	62	77	7	276	–	–	–
November	30.8	21.9	33.1	19.4	34.0	17.6	78	66	104	127	10	249	–	–	–
December	31.2	23.4	33.3	20.7	34.5	18.8	80	69	95	86	11	236	–	–	–
Year	30.4	21.3	34.6*	15.3*	35.2	12.8	83	65	1105	137	113	2778	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	9	–	–	–

Dodoma 06°10’S 35°46’E 1120 m

Period 1941–70 Bibliography 55, 56, 57, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.1	18.1	32.2	16.4	34.3	13.1	82	53	136	83	11	–	–	–	–
February	29.1	17.8	31.8	15.8	35.4	11.4	83	55	116	120	11	–	–	–	–
March	29.2	17.8	31.7	15.9	34.4	12.8	83	54	107	86	10	–	–	–	–
April	28.7	17.5	30.8	15.5	33.6	12.8	82	54	54	93	6	–	–	–	–
May	28.1	15.9	30.5	12.7	32.2	10.3	76	47	4	17	1	–	–	–	–
June	27.3	13.6	29.8	10.6	32.2	8.5	73	41	1	1	< 1	–	–	–	–
July	26.6	12.9	29.0	9.9	31.1	7.6	73	40	0	0	0	–	–	–	–
August	27.4	13.6	30.2	11.0	34.1	9.0	72	38	< 1	9	< 1	–	–	–	–
September	29.2	14.7	31.9	12.5	33.8	9.4	68	35	< 1	< 1	< 1	–	–	–	–
October	30.8	16.2	33.0	13.9	34.8	10.7	66	33	5	32	1	–	–	–	–
November	31.6	17.7	33.9	15.8	34.9	12.3	67	35	26	37	2	–	–	–	–
December	30.2	18.3	33.5	16.2	36.4	12.2	75	45	113	102	10	–	–	–	–
Year	28.9	16.2	34.5*	9.6	36.4	7.6	75	44	562	120	52	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	22	–	–	–	–

*Average of highest/lowest each year

TANZANIA

Igeri 09°40′S 34°40′E 2250 m

Period 1964–70 Bibliography 91	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	19.2	11.3	22.0	9.3	22.8	5.5	–	–	260	119	–	120	–	–	–
February	19.3	11.4	21.6	10.0	21.7	9.4	–	–	236	44	–	107	–	–	–
March	18.6	11.2	20.8	9.7	21.7	8.9	–	–	286	43	–	123	–	–	–
April	17.6	10.7	20.5	8.4	21.1	5.5	–	–	217	52	–	140	–	–	–
May	16.3	8.9	19.5	6.4	20.6	4.4	–	–	44	17	–	183	–	–	–
June	15.3	7.3	18.8	4.4	20.6	1.1	–	–	6	6	–	201	–	–	–
July	14.7	6.5	18.2	3.5	18.9	2.2	–	–	8	8	–	235	–	–	–
August	15.7	7.1	19.3	4.7	20.6	3.9	–	–	3	4	–	237	–	–	–
September	17.7	8.2	21.4	5.9	22.8	3.9	–	–	9	12	–	234	–	–	–
October	19.8	9.3	23.0	7.2	25.0	5.6	–	–	4	5	–	248	–	–	–
November	20.6	10.7	23.3	7.5	25.6	2.2	–	–	67	40	–	208	–	–	–
December	19.5	11.2	22.8	9.4	25.6	6.7	–	–	289	65	–	128	–	–	–
Year	17.9	9.5	23.9*	2.9*	25.6	1.1	–	–	1429	119	–	2164	–	–	–
No. of Years	7	7	7	7	7	7	–	–	7	5	–	7	–	–	–

Iringa 07°40′S 35°45′E 1428 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	25.2	14.9	28.4	12.9	31.1	11.5	83	63	147	77	17	–	–	–	–
February	25.3	14.9	27.8	12.9	29.7	11.4	84	63	121	47	15	–	–	–	–
March	25.4	14.8	27.8	12.7	29.5	11.4	83	65	158	81	15	–	–	–	–
April	24.9	14.8	27.2	12.4	30.8	10.6	80	62	86	67	12	–	–	–	–
May	24.5	13.7	27.3	10.6	30.6	8.7	73	54	11	28	3	–	–	–	–
June	23.9	11.5	26.8	8.8	30.2	5.6	69	46	1	18	< 1	–	–	–	–
July	23.2	11.3	26.7	8.4	29.0	4.5	68	44	< 1	1	< 1	–	–	–	–
August	24.0	11.6	27.8	8.9	29.9	6.7	65	43	1	9	< 1	–	–	–	–
September	25.9	12.5	29.5	9.9	32.2	8.1	61	40	1	8	< 1	–	–	–	–
October	27.7	13.6	30.5	10.9	32.1	9.2	57	38	6	23	1	–	–	–	–
November	28.3	14.8	31.0	12.3	33.0	9.4	59	41	34	58	5	–	–	–	–
December	26.4	15.5	29.9	13.3	32.8	10.8	74	56	145	102	15	–	–	–	–
Year	25.4	13.7	31.3*	8.0*	33.0	4.5	71	51	711	102	83	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

Kigoma 04°53′S 29°38′E 885 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.9	19.5	29.2	17.5	31.7	16.8	84	73	122	97	14	–	–	–	–
February	27.2	19.6	29.5	17.5	32.3	16.6	84	73	116	91	12	–	–	–	–
March	27.4	19.5	30.5	17.4	32.7	15.6	84	73	154	107	15	–	–	–	–
April	27.5	19.4	30.4	17.7	33.2	16.6	84	73	151	61	16	–	–	–	–
May	28.3	19.1	30.7	17.2	31.9	16.0	79	65	54	47	7	–	–	–	–
June	28.3	17.7	30.4	15.1	31.4	13.4	75	54	6	46	1	–	–	–	–
July	28.4	17.2	30.3	14.9	31.4	13.2	68	49	1	8	< 1	–	–	–	–
August	29.2	18.5	31.4	15.9	32.7	14.7	61	50	3	12	1	–	–	–	–
September	29.9	19.8	32.6	17.5	34.9	14.8	61	55	13	44	2	–	–	–	–
October	29.1	20.3	32.9	17.9	36.8	16.5	67	62	56	83	7	–	–	–	–
November	26.8	19.6	30.4	17.5	33.7	15.6	81	73	133	81	17	–	–	–	–
December	26.4	19.3	29.1	17.5	31.4	15.7	85	75	153	90	17	–	–	–	–
Year	27.9	19.1	33.1*	14.6*	36.8	13.2	76	65	962	107	109	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

*Average of highest/lowest each year

TANZANIA

Kilindoni/Mafia 07°55′S 39°40′E 21 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.3	25.7	33.1	22.9	37.0	21.1	84	74	131	130	–	–	–	–	–
February	31.6	25.7	33.2	22.8	35.0	21.0	85	72	119	99	–	–	–	–	–
March	31.3	25.5	33.1	22.9	34.4	21.0	86	76	221	165	–	–	–	–	–
April	29.7	24.8	32.3	22.6	34.0	20.0	89	81	542	189	–	–	–	–	–
May	28.9	24.4	30.7	22.4	35.0	20.6	86	76	209	178	–	–	–	–	–
June	28.1	23.4	29.4	21.6	32.2	19.4	84	72	75	78	–	–	–	–	–
July	27.4	22.8	28.5	21.0	30.0	18.9	83	71	49	49	–	–	–	–	–
August	28.0	22.5	29.5	20.9	32.2	19.2	82	67	31	137	–	–	–	–	–
September	29.1	23.0	30.6	21.8	32.2	19.4	79	67	20	28	–	–	–	–	–
October	30.2	24.1	31.5	22.5	34.0	20.0	77	65	34	45	–	–	–	–	–
November	30.6	24.8	32.5	23.2	35.0	21.1	79	71	109	106	–	–	–	–	–
December	31.2	25.4	32.8	22.8	35.0	20.9	84	75	188	121	–	–	–	–	–
Year	29.8	24.3	34.1*	20.3*	37.0	18.9	83	72	1728	189	–	–	–	–	–
No. of Years	23	23	20	20	20	20	23	10	24	20	–	–	–	–	–

Kilwa 08°45′S 39°25′E 9 m

Period 1941–70 Bibliography 55, 56, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.9	24.3	33.2	21.4	35.0	21.1	88	81	140	68	8	–	–	–	–
February	31.5	24.5	33.7	22.3	35.3	21.7	86	78	123	102	10	–	–	–	–
March	31.7	24.3	33.8	22.9	36.7	21.5	87	78	131	63	11	–	–	–	–
April	30.8	23.7	32.8	21.9	34.4	21.0	87	79	219	102	13	–	–	–	–
May	30.3	22.8	32.3	19.9	33.9	19.0	82	74	74	46	6	–	–	–	–
June	29.7	20.9	31.6	18.6	32.2	17.5	78	70	9	2	< 1	–	–	–	–
July	29.1	20.7	30.9	18.6	32.7	18.0	78	69	12	11	1	–	–	–	–
August	29.2	20.2	31.2	19.5	32.2	18.3	80	72	11	34	3	–	–	–	–
September	29.1	21.3	30.5	20.6	31.7	19.8	79	73	14	34	3	–	–	–	–
October	30.1	22.9	31.4	21.2	32.2	20.0	79	74	21	25	3	–	–	–	–
November	31.3	24.2	33.0	23.1	35.3	22.5	79	75	67	85	4	–	–	–	–
December	31.5	24.8	33.3	22.6	35.3	21.1	82	75	143	136	9	–	–	–	–
Year	30.4	22.9	34.7*	18.3*	36.7	17.5	82	75	964	136	71	–	–	–	–
No. of Years	6	7	6	5	6	5	8	8	27	6	6	–	–	–	–

Kisauni/Zanzibar 06°13′S 39°13′E 18 m

Period 1952–70 Bibliography 56, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	22.2	33.5	19.8	34.5	16.5	79	64	75	68	–	233	–	–	–
February	32.0	22.0	34.3	20.0	35.5	16.3	79	64	74	71	–	224	–	–	–
March	31.9	22.2	34.3	20.1	36.5	15.6	82	68	136	97	–	226	–	–	–
April	30.2	22.5	32.7	20.4	34.4	15.6	87	73	388	247	–	171	–	–	–
May	29.5	21.8	31.2	19.2	31.8	14.0	86	69	241	132	–	217	–	–	–
June	28.9	20.6	30.2	17.5	31.1	14.0	84	63	60	52	–	222	–	–	–
July	28.5	19.7	30.0	16.5	31.1	12.2	83	61	49	74	–	223	–	–	–
August	29.0	18.7	30.3	15.7	31.3	10.4	83	57	41	57	–	260	–	–	–
September	29.9	18.2	31.4	16.1	32.3	12.0	80	56	47	156	–	255	–	–	–
October	30.5	19.2	32.3	16.8	34.6	11.9	76	60	90	126	–	254	–	–	–
November	30.5	20.4	32.3	18.3	33.8	13.4	78	69	207	83	–	222	–	–	–
December	31.2	21.6	33.2	19.8	34.6	14.5	79	67	156	105	–	248	–	–	–
Year	30.3	20.8	34.9*	15.5*	36.5	10.4	81	64	1564	247	–	2755	–	–	–
No. of Years	19	19	19	19	19	19	19	19	19	19	–	9	–	–	–

*Average of highest/lowest each year

TANZANIA

Kondoa 04°55′S 35°48′E 1335 m

Period 1941–70 Bibliography 55, 56, 57, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.0	17.0	32.5	15.0	35.1	13.6	78	50	110	123	11	–	–	–	–
February	29.1	16.9	32.0	14.4	33.8	13.4	80	50	116	67	10	–	–	–	–
March	28.9	17.1	32.2	15.0	33.7	14.1	80	51	128	72	7	–	–	–	–
April	27.1	16.9	30.1	14.5	31.7	13.3	81	59	89	61	11	–	–	–	–
May	25.9	15.4	28.7	11.7	30.7	9.0	80	57	46	27	5	–	–	–	–
June	25.6	13.0	28.4	9.3	30.3	8.6	78	51	2	3	< 1	–	–	–	–
July	25.2	12.1	28.2	9.1	29.2	6.6	77	49	< 1	1	< 1	–	–	–	–
August	26.0	13.0	29.5	10.2	31.5	8.9	76	46	< 1	2	< 1	–	–	–	–
September	28.0	14.2	31.1	11.9	31.9	10.2	73	43	1	0	0	–	–	–	–
October	29.8	15.5	32.9	12.7	34.3	11.5	73	42	7	58	1	–	–	–	–
November	30.4	17.0	33.8	14.9	35.0	14.4	73	41	34	17	2	–	–	–	–
December	29.5	17.2	33.9	14.9	35.6	13.1	74	47	126	50	10	–	–	–	–
Year	27.9	15.4	34.4*	8.7*	35.6	6.6	77	49	659	123	57	–	–	–	–
No. of Years	16	16	8	8	8	8	16	16	30	8	8	–	–	–	–

Lindi 10°00′S 39°42′E 41 m

Period 1941–70 Bibliography 55, 56, 57, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.1	23.7	33.3	21.6	34.2	21.2	84	72	143	90	13	–	–	–	–
February	31.4	23.3	33.3	21.0	34.9	20.3	86	71	141	113	15	–	–	–	–
March	31.5	23.1	33.3	21.2	36.2	20.6	87	71	166	57	14	–	–	–	–
April	31.0	22.8	32.7	20.9	33.9	18.4	87	73	174	89	19	–	–	–	–
May	30.5	21.2	31.9	18.2	32.9	16.9	84	63	39	38	9	–	–	–	–
June	30.2	19.2	31.3	16.1	32.3	15.0	82	56	50	31	3	–	–	–	–
July	29.8	18.8	31.4	16.2	32.1	13.3	82	58	37	27	2	–	–	–	–
August	29.8	19.2	32.0	16.1	33.0	12.3	82	61	23	5	3	–	–	–	–
September	29.7	20.1	32.6	17.8	33.3	16.8	81	64	13	28	3	–	–	–	–
October	30.0	21.5	32.7	19.1	34.3	17.9	77	66	18	30	5	–	–	–	–
November	31.0	23.2	32.7	21.0	33.8	20.0	78	67	58	52	7	–	–	–	–
December	31.4	23.7	33.1	21.7	33.8	20.9	81	70	138	45	12	–	–	–	–
Year	30.6	21.7	34.3*	15.1*	36.2	12.3	83	66	1000	113	105	–	–	–	–
No. of Years	16	16	8	8	8	8	16	16	27	8	8	–	–	–	–

Mbeya 08°56′S 33°28′ E 1736 m

Period 1941–70 Bibliography 55, 56, 57, 91	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.2	13.9	26.0	11.0	27.8	7.9	84	70	204	57	21	146	–	–	–
February	23.2	13.8	25.6	11.3	26.8	8.2	85	70	171	55	20	132	–	–	–
March	23.4	13.6	25.6	10.7	26.6	9.0	84	71	156	56	19	146	–	–	–
April	23.2	12.7	25.2	9.3	26.2	5.2	82	72	111	59	16	192	–	–	–
May	22.2	10.3	24.8	5.8	26.6	1.4	77	63	15	21	4	273	–	–	–
June	21.4	7.8	24.8	3.6	27.0	−1.2	74	55	1	7	< 1	288	–	–	–
July	21.4	7.0	24.8	3.2	26.7	−1.0	72	50	< 1	3	< 1	304	–	–	–
August	22.7	8.2	26.4	3.6	28.3	−1.1	66	47	1	2	< 1	319	–	–	–
September	25.2	10.3	28.3	5.9	31.1	1.4	62	43	3	20	1	285	–	–	–
October	26.9	12.1	29.4	8.1	31.1	3.5	60	41	16	30	3	288	–	–	–
November	26.5	13.4	29.3	10.6	31.0	8.5	66	49	62	54	8	222	–	–	–
December	24.3	13.9	27.7	11.3	31.2	9.3	78	64	176	59	18	146	–	–	–
Year	23.6	11.4	29.9*	2.3*	31.2	−1.2	74	58	916	59	110	2741	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	5	–	–	–

*Average of highest/lowest each year

TANZANIA

Mbulu 03°52′S 35°33′E 1729 m

Period 1941–70 Bibliography 55, 56, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0830	Average of observations at 1430	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.1	13.1	27.1	9.1	29.4	6.7	81	57	98	73	11	–	–	–	–
February	25.8	13.2	27.6	8.9	28.3	7.8	81	53	96	37	7	–	–	–	–
March	25.6	14.3	27.2	10.7	28.3	9.1	85	58	152	83	10	–	–	–	–
April	23.8	14.4	26.1	12.6	27.8	11.7	89	67	187	89	15	–	–	–	–
May	21.3	13.2	24.3	10.3	27.2	7.8	91	73	62	34	10	–	–	–	–
June	20.5	11.0	22.6	7.1	27.2	5.6	88	67	5	5	1	–	–	–	–
July	20.2	10.4	22.7	6.9	24.4	4.4	87	63	2	16	1	–	–	–	–
August	20.9	10.6	23.8	8.2	25.6	7.2	87	60	1	3	1	–	–	–	–
September	22.8	11.5	25.4	9.3	26.7	7.8	84	53	3	9	1	–	–	–	–
October	24.7	12.5	26.3	10.4	26.7	8.9	83	49	28	31	3	–	–	–	–
November	25.3	13.8	27.2	10.7	29.4	9.4	84	53	104	54	9	–	–	–	–
December	24.8	14.0	26.8	11.1	28.3	6.1	84	58	126	86	11	–	–	–	–
Year	23.4	12.7	28.4*	6.3*	29.4	4.4	85	59	864	89	80	–	–	–	–
No. of Years	9	9	6	6	6	6	9	9	30	6	6	–	–	–	–

Morogoro 06°51′S 37°40′E 579 m

Period 1946–61 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0830	Average of observations at 1430	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	21.0	34.6	18.7	36.0	17.2	82	56	97	47	10	177	–	–	–
February	31.6	20.8	34.2	18.6	36.7	17.3	84	57	115	100	11	165	–	–	–
March	31.5	20.7	33.9	18.8	35.6	17.8	86	60	128	64	13	183	–	–	–
April	29.7	20.4	32.4	18.1	34.7	16.7	91	69	205	65	21	129	–	–	–
May	28.3	18.8	30.4	14.8	32.2	11.9	90	68	98	49	15	121	–	–	–
June	27.4	15.9	29.5	12.6	31.1	11.1	87	59	21	23	6	129	–	–	–
July	27.3	15.1	29.4	11.6	30.3	10.5	87	53	18	38	5	127	–	–	–
August	28.3	15.8	30.8	12.2	33.3	9.2	84	49	10	35	5	130	–	–	–
September	29.7	16.6	32.3	14.0	33.3	13.3	81	47	16	62	4	141	–	–	–
October	31.2	17.9	33.4	15.3	34.8	14.2	78	45	29	34	5	177	–	–	–
November	31.8	19.5	34.0	17.1	35.6	16.6	77	49	40	33	7	186	–	–	–
December	32.1	21.1	34.3	18.3	35.6	16.2	79	52	74	77	10	180	–	–	–
Year	30.1	18.6	35.3*	11.3*	36.7	9.2	84	55	851	100	112	1845	–	–	–
No. of Years	16	16	12	12	12	12	16	15	16	13	13	16	–	–	–

Moshi 03°21′S 37°20′E 831 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0830	Average of observations at 1430	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.8	17.4	35.2	15.1	36.6	13.8	72	41	39	79	6	273	–	–	–
February	33.2	17.8	35.3	15.1	37.6	11.9	73	40	43	52	5	255	–	–	–
March	32.3	18.8	34.9	16.3	36.8	11.1	77	45	105	100	9	239	–	–	–
April	29.4	19.2	32.1	17.0	35.2	12.2	85	57	256	178	17	204	–	–	–
May	26.7	18.4	29.4	15.9	31.2	13.7	86	64	154	75	14	146	–	–	–
June	25.9	16.8	28.1	13.3	30.2	10.4	82	57	26	38	5	153	–	–	–
July	25.4	15.7	27.9	12.4	29.4	10.6	82	54	15	54	5	136	–	–	–
August	26.4	15.7	29.4	11.6	32.9	9.4	80	50	12	35	3	171	–	–	–
September	28.6	15.8	31.6	12.4	33.9	10.6	77	44	16	42	3	207	–	–	–
October	30.7	16.9	33.0	13.3	35.7	11.1	74	40	40	108	4	248	–	–	–
November	31.6	17.9	34.0	15.1	35.9	11.6	74	43	58	105	8	237	–	–	–
December	31.8	17.6	34.1	15.4	36.2	14.0	74	45	55	131	7	257	–	–	–
Year	29.6	17.3	35.9*	11.3*	37.6	9.4	78	48	819	178	86	2526	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	7	–	–	–

*Average of highest/lowest each year

TANZANIA

Musoma 01°30'S 33°48'E 1147 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.7	18.6	30.6	16.2	33.5	13.8	74	60	67	79	8	–	–	–	–
February	28.1	18.7	30.9	16.3	33.5	14.2	74	59	71	128	9	–	–	–	–
March	28.1	18.7	31.5	16.2	35.0	14.8	76	61	126	91	12	–	–	–	–
April	27.5	18.3	30.3	16.4	32.8	15.0	80	64	188	159	17	–	–	–	–
May	27.5	17.9	29.6	15.9	32.0	13.4	79	61	114	78	14	–	–	–	–
June	27.4	17.1	29.6	14.5	31.0	12.5	73	56	25	37	5	–	–	–	–
July	27.2	16.6	29.3	13.9	31.2	11.5	69	55	25	142	3	–	–	–	–
August	27.3	17.3	30.1	14.9	32.3	12.2	68	57	22	31	4	–	–	–	–
September	28.0	18.1	30.8	15.8	32.4	12.2	66	57	28	42	6	–	–	–	–
October	28.4	18.7	31.2	16.0	34.5	14.3	65	58	45	56	8	–	–	–	–
November	27.8	18.4	30.8	16.5	34.7	15.2	70	62	94	64	12	–	–	–	–
December	27.3	18.2	30.1	16.2	33.9	14.6	74	63	72	90	12	–	–	–	–
Year	27.7	18.1	32.6*	13.6*	35.0	11.5	72	59	877	159	110	–	–	–	–
No. of Years	30	30	22	22	22	22	30	27	30	22	15	–	–	–	–

Mwanza 02°28'S 32°55'E 1140 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.4	18.1	30.1	16.1	32.7	14.3	80	64	96	63	10	229	–	–	–
February	27.7	18.1	30.3	16.3	33.3	14.3	80	63	94	146	10	218	–	–	–
March	27.8	18.3	31.0	16.4	35.0	14.7	80	63	159	112	12	233	–	–	–
April	27.6	18.3	30.1	16.6	32.2	15.4	82	67	177	151	15	240	–	–	–
May	27.7	17.8	29.6	15.9	31.7	13.9	78	63	80	65	10	254	–	–	–
June	28.2	16.1	29.8	13.3	31.4	12.1	70	54	11	32	2	282	–	–	–
July	28.1	15.3	29.9	12.6	31.2	10.8	65	49	11	52	1	298	–	–	–
August	28.1	16.4	30.4	13.7	32.7	11.8	64	52	28	99	2	279	–	–	–
September	28.6	17.5	30.8	15.4	32.6	12.7	62	53	35	54	4	252	–	–	–
October	28.6	18.2	31.0	16.1	33.0	14.6	65	55	70	118	9	242	–	–	–
November	27.9	18.5	30.6	16.4	34.4	15.0	70	61	142	72	13	210	–	–	–
December	27.1	18.1	29.6	16.3	32.8	15.0	77	65	156	130	15	223	–	–	–
Year	27.9	17.6	32.4*	12.3*	35.0	10.8	73	59	1059	151	103	2960	–	–	–
No. of Years	30	29	22	22	22	22	30	30	30	22	15	6	–	–	–

Nachingwea 10°21'S 38°45'E 465 m

Period 1949–70 Bibliography 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.6	20.6	33.8	18.8	37.4	13.6	82	66	181	89	15	–	–	–	–
February	30.1	20.5	32.7	18.4	35.5	14.5	86	67	170	109	16	–	–	–	–
March	30.1	20.4	32.4	18.6	35.3	15.5	87	69	189	74	16	–	–	–	–
April	29.4	19.6	31.5	17.2	34.4	13.7	87	67	147	103	16	–	–	–	–
May	28.6	17.7	30.7	14.5	33.9	11.6	82	58	21	33	5	–	–	–	–
June	28.2	15.9	30.3	13.6	34.0	9.0	80	49	3	9	1	–	–	–	–
July	28.1	15.8	30.3	13.3	31.5	7.7	78	44	5	20	1	–	–	–	–
August	29.4	16.3	31.8	13.9	36.0	10.8	73	38	2	13	1	–	–	–	–
September	30.8	17.3	33.3	15.1	36.0	11.5	70	39	5	23	1	–	–	–	–
October	32.2	18.4	34.5	16.0	36.3	12.9	67	37	7	20	1	–	–	–	–
November	32.9	19.7	35.4	17.0	38.5	13.5	69	42	68	99	6	–	–	–	–
December	32.0	20.7	35.3	18.1	38.5	12.1	77	52	130	123	11	–	–	–	–
Year	30.2	18.6	36.1*	12.1*	38.5	7.7	78	52	929	123	90	–	–	–	–
No. of Years	20	20	20	20	20	20	21	10	21	21	15	–	–	–	–

*Average of highest/lowest each year

TANZANIA

Same 04°05'S 37°43'E 872 m

Period 1956–70 Bibliography 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.5	19.2	34.6	17.2	36.6	16.4	76	46	58	63	–	–	–	–	–
February	32.2	19.2	34.9	17.4	37.8	16.4	77	45	69	79	–	–	–	–	–
March	31.5	19.5	33.9	17.4	35.5	16.0	80	50	106	88	–	–	–	–	–
April	29.2	19.0	32.3	17.4	34.1	16.4	85	58	116	86	–	–	–	–	–
May	26.9	17.5	30.0	14.9	32.4	13.6	86	60	50	60	–	–	–	–	–
June	26.3	15.8	29.0	13.5	30.5	11.6	85	55	11	50	–	–	–	–	–
July	25.9	15.1	28.6	12.6	30.0	10.8	84	51	7	16	–	–	–	–	–
August	26.8	14.9	29.8	12.5	31.2	11.2	81	49	9	20	–	–	–	–	–
September	28.6	15.6	31.5	12.7	33.2	10.1	77	45	11	28	–	–	–	–	–
October	30.0	17.0	32.4	14.0	34.4	13.0	76	45	43	112	–	–	–	–	–
November	30.6	18.5	33.2	16.1	35.4	13.9	77	48	64	47	–	–	–	–	–
December	30.5	19.2	33.0	17.2	35.1	14.0	76	50	61	135	–	–	–	–	–
Year	29.2	17.5	35.5*	11.9*	37.8	10.1	80	50	605	135	–	–	–	–	–
No. of Years	15	15	15	15	15	15	15	15	15	15	–	–	–	–	–

Songea 10°41'S 35°35'E 1067 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.2	18.2	30.5	16.6	32.5	15.0	87	64	266	89	–	–	–	–	–
February	27.1	18.1	29.7	16.6	31.2	14.9	88	65	250	79	–	–	–	–	–
March	26.6	17.9	29.5	15.9	34.5	13.3	88	68	230	91	–	–	–	–	–
April	25.8	17.3	28.3	14.1	30.5	13.1	87	65	105	59	–	–	–	–	–
May	24.5	14.6	27.3	10.7	30.1	8.4	82	58	15	27	–	–	–	–	–
June	23.4	12.4	26.3	8.8	28.8	5.2	78	53	1	4	–	–	–	–	–
July	22.9	11.9	25.8	8.4	27.6	4.4	75	50	3	25	–	–	–	–	–
August	24.0	12.9	27.5	9.3	29.6	6.1	73	46	2	19	–	–	–	–	–
September	26.3	14.7	29.3	11.9	31.3	10.0	71	42	2	14	–	–	–	–	–
October	28.5	16.6	31.1	13.9	33.0	9.2	68	39	11	27	–	–	–	–	–
November	29.1	18.2	31.9	16.4	33.6	14.0	72	44	58	55	–	–	–	–	–
December	27.6	18.4	31.0	16.8	33.3	15.9	82	58	203	79	–	–	–	–	–
Year	26.1	15.9	32.2*	7.6*	34.5	4.4	79	54	1146	91	–	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	–	–	–	–	–

Tabora 05°05'S 32°50'E 1190 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.0	17.4	31.4	15.2	33.9	13.8	85	56	140	70	16	192	–	–	–
February	28.3	17.3	30.9	15.5	33.4	14.5	85	56	138	73	14	179	–	–	–
March	28.4	17.3	31.2	15.6	34.8	14.4	85	57	166	102	14	226	–	–	–
April	28.2	17.1	30.3	15.0	33.4	13.6	84	56	128	103	12	249	–	–	–
May	28.4	16.0	30.6	12.6	34.7	10.6	75	47	29	35	4	251	–	–	–
June	28.5	14.3	30.5	10.7	32.2	8.9	68	38	2	6	< 1	303	–	–	–
July	28.6	14.1	30.6	10.7	31.8	7.0	64	34	< 1	< 1	< 1	325	–	–	–
August	29.6	15.8	32.0	12.7	33.5	9.7	61	33	1	2	< 1	319	–	–	–
September	31.3	17.5	33.5	15.0	34.9	12.7	57	31	5	15	1	294	–	–	–
October	32.1	18.8	34.1	16.0	35.7	13.6	56	31	19	28	4	270	–	–	–
November	30.6	18.7	33.6	16.1	34.7	14.8	67	41	104	81	13	204	–	–	–
December	28.2	17.8	31.8	15.7	35.1	14.3	81	55	187	77	19	186	–	–	–
Year	29.2	16.8	34.4*	10.1*	35.7	7.0	72	45	919	103	97	2998	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	7	–	–	–

*Average of highest/lowest each year

TANZANIA

Tanga 05°05'S 39°04'E 35 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.6	23.8	33.5	21.5	35.2	20.5	77	69	27	49	5	–	–	–	–
February	32.3	23.9	34.0	21.9	35.9	20.6	77	67	34	129	4	–	–	–	–
March	32.5	24.0	34.3	22.2	35.4	20.8	79	66	100	92	9	–	–	–	–
April	30.8	23.4	33.1	21.7	36.5	20.0	84	72	248	126	18	–	–	–	–
May	29.4	22.4	32.0	20.7	34.0	19.4	85	71	280	159	16	–	–	–	–
June	28.9	21.1	30.6	18.8	31.7	16.0	82	67	71	54	10	–	–	–	–
July	28.2	20.3	29.7	18.3	30.6	15.1	83	67	69	62	12	–	–	–	–
August	28.2	20.0	29.7	17.8	30.4	15.8	84	68	78	51	13	–	–	–	–
September	28.7	20.3	30.3	18.1	30.8	16.7	82	66	86	185	13	–	–	–	–
October	29.8	21.4	31.4	19.1	33.3	17.8	81	67	103	141	14	–	–	–	–
November	30.7	22.7	32.7	20.7	33.9	18.6	80	69	141	165	12	–	–	–	–
December	31.5	23.5	33.4	21.8	34.4	21.0	78	70	90	83	8	–	–	–	–
Year	30.2	22.2	34.6*	17.2*	36.5	15.1	81	68	1327	185	134	–	–	–	–
No. of Years	29	28	22	22	22	22	29	28	29	22	15	–	–	–	–

Wete/Pemba 05°04'S 39°43'E 18 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.–mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.1	23.4	32.4	21.2	34.0	17.7	78	–	70	102	–	–	–	–	–
February	31.8	23.2	33.2	21.4	34.6	16.3	75	–	44	69	–	–	–	–	–
March	32.0	23.4	33.6	21.6	35.0	18.0	76	–	146	110	–	–	–	–	–
April	30.3	23.2	32.7	21.7	34.4	18.0	83	–	445	142	–	–	–	–	–
May	29.2	22.2	31.4	19.9	33.3	13.0	83	–	403	157	–	–	–	–	–
June	28.7	20.9	30.4	18.7	33.4	13.0	80	–	110	106	–	–	–	–	–
July	28.1	20.0	29.7	17.8	31.1	14.0	81	–	70	63	–	–	–	–	–
August	28.4	19.5	29.8	17.3	31.7	14.0	79	–	51	111	–	–	–	–	–
September	29.1	19.7	30.6	17.6	32.2	14.0	76	–	40	48	–	–	–	–	–
October	29.9	20.4	31.4	18.4	33.0	14.0	76	–	91	99	–	–	–	–	–
November	30.4	22.0	32.2	19.7	34.0	16.0	78	–	228	114	–	–	–	–	–
December	31.0	23.0	32.3	20.8	33.9	17.0	78	–	121	97	–	–	–	–	–
Year	30.0	21.7	33.8*	16.7*	35.0	13.0	79	–	1819	157	–	–	–	–	–
No. of Years	29	29	22	22	22	22	29	–	29	22	–	–	–	–	–

*Average of highest/lowest each year

TOGO

Atakpamé 07°35′N 01°07′E 400 m

Period 1953–70 Bibliography 11, 13, 14	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0600	1200	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	32.6	20.8	35.1	18.5	36.0	16.2	71	43	12	42	2	245	–	–	0
February	34.2	21.5	36.4	19.5	38.8	18.3	82	45	38	60	3	230	–	–	1
March	33.6	21.4	36.3	19.3	37.0	18.1	90	55	102	139	3	226	–	–	< 1
April	32.0	21.2	35.1	19.1	37.0	18.0	91	62	137	91	10	209	–	–	< 1
May	31.2	21.0	33.7	18.8	35.2	17.8	92	66	137	60	10	219	–	–	0
June	29.4	20.2	32.1	18.4	33.2	17.4	95	73	190	88	14	170	–	–	< 1
July	27.8	19.8	30.3	18.1	32.2	16.3	98	76	217	79	17	109	–	–	1
August	27.6	19.7	30.1	18.1	32.5	16.1	98	77	181	74	16	89	–	–	< 1
September	28.7	19.9	31.0	17.9	32.6	10.4	98	76	197	72	17	112	–	–	1
October	30.1	20.0	32.0	18.2	33.0	17.3	96	69	133	65	13	205	–	–	< 1
November	32.0	20.5	33.6	18.5	34.6	17.2	93	57	45	111	4	256	–	–	< 1
December	32.2	20.6	34.0	18.4	35.4	17.4	83	49	18	25	2	254	–	–	< 1
Year	30.9	20.5	36.8*	16.9*	38.8	10.4	91	62	1407	139	116	2324	–	–	3
No. of Years	15	15	15	15	15	15	12	11	15	15	15	12	–	–	10

Lomé 06°10′N 01°15′E 20 m

Period 1951–70 Bibliography 11, 13, 14	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0600	1200	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	31.3	22.2	33.1	18.2	35.7	15.2	96	64	15	63	1	218	–	–	1
February	31.9	23.6	33.7	20.7	36.4	18.8	96	66	24	97	2	217	–	–	< 1
March	32.0	23.8	33.4	21.0	34.3	20.0	95	67	74	73	6	228	–	–	1
April	31.6	23.7	33.4	20.8	34.2	20.0	95	69	107	132	9	209	–	–	1
May	30.8	23.1	32.9	20.7	34.4	19.9	97	73	154	113	12	209	–	–	2
June	30.0	22.4	31.3	20.7	32.9	18.4	97	78	271	260	16	143	–	–	3
July	27.5	22.1	29.3	19.6	31.1	16.7	95	78	93	80	10	127	–	–	2
August	27.6	21.9	29.4	19.5	30.9	17.1	94	75	25	35	7	139	–	–	1
September	28.9	22.2	30.5	20.3	31.6	19.5	95	74	43	65	9	158	–	–	< 1
October	29.3	22.7	31.3	20.2	31.9	19.2	96	72	111	152	11	206	–	–	1
November	30.5	23.1	32.3	20.6	34.3	19.9	97	68	25	60	3	242	–	–	0
December	30.9	23.0	33.0	18.9	34.1	15.6	97	63	7	34	2	236	–	–	< 1
Year	30.2	22.8	34.3*	17.1*	36.4	15.2	96	71	949	260	88	2332	–	–	12
No. of Years	15	15	15	15	15	15	12	11	20	20	15	15	–	–	9

Sausanné Mango 10°22′N 00°28′E 145 m

Period 1953–70 Bibliography 11, 13, 14	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0600	1200	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	36.0	18.1	39.0	14.4	41.3	12.2	38	22	1	5	< 1	–	–	–	0
February	37.9	20.9	40.7	16.9	42.0	15.0	41	26	5	17	1	–	–	–	< 1
March	38.8	24.4	41.3	20.1	42.5	16.5	63	37	30	55	3	–	–	–	< 1
April	37.3	24.9	40.8	21.4	42.0	20.0	77	48	63	69	6	–	–	–	1
May	35.2	23.8	39.1	20.3	40.8	18.7	85	58	120	95	10	–	–	–	0
June	31.9	22.3	35.6	19.3	37.5	16.5	93	69	148	72	13	–	–	–	1
July	30.4	21.8	33.5	19.5	35.3	18.0	94	73	175	111	13	–	–	–	1
August	29.7	21.7	33.1	19.4	34.1	17.4	95	75	247	142	18	–	–	–	1
September	30.5	21.5	33.4	19.3	34.2	18.1	95	74	256	67	18	–	–	–	1
October	33.7	21.5	36.3	18.9	37.3	15.2	92	60	73	44	9	–	–	–	0
November	36.1	19.8	37.7	16.1	38.9	13.0	78	40	14	70	1	–	–	–	0
December	35.6	18.0	37.9	14.4	38.7	10.1	53	26	6	38	1	–	–	–	< 1
Year	34.4	21.6	41.5*	13.5*	42.5	10.1	75	51	1138	142	93	–	–	–	5
No. of Years	15	15	15	15	15	15	15	11	15	15	15	–	–	–	9

*Average of highest/lowest each year

TOGO

Sokodé 08°58′N 01°08′E 402 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1953–70 Bibliography 11, 13, 14	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	33.9	16.7	36.3	12.6	37.8	10.0	67	32	11	78	1	–	–	–	0
February	35.1	18.9	37.3	14.4	38.8	12.0	73	36	18	62	1	–	–	–	0
March	34.9	21.3	37.6	18.0	39.0	15.8	89	49	67	112	6	–	–	–	< 1
April	33.3	21.7	36.0	19.6	37.8	18.4	94	57	109	77	10	–	–	–	< 1
May	31.9	21.4	34.4	19.1	36.9	18.4	96	64	145	69	12	–	–	–	0
June	29.9	20.7	32.8	18.7	35.0	18.0	97	70	221	78	17	–	–	–	0
July	28.4	20.5	31.1	18.4	32.0	16.0	97	74	231	82	20	–	–	–	1
August	28.0	20.5	30.8	18.6	32.0	16.8	98	76	279	134	21	–	–	–	1
September	29.0	20.2	31.7	18.4	33.4	18.0	97	74	298	110	22	–	–	–	1
October	31.3	19.9	34.0	18.0	37.4	16.0	96	62	111	50	12	–	–	–	< 1
November	33.3	18.1	35.2	14.7	36.0	12.0	92	45	24	37	3	–	–	–	0
December	33.4	16.5	35.7	12.7	37.0	11.0	79	34	23	102	2	–	–	–	0
Year	31.9	19.7	37.4*	12.0*	39.0	10.0	90	56	1537	134	127	–	–	–	3
No. of Years	15	15	15	15	15	15	12	11	15	15	15	–	–	–	12

Tabligbo 06°35′N 01°30′E 51 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1964–70 Bibliography 13, 14	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	33.7	21.3	35.9	16.8	36.6	14.4	94	–	16	81	1	–	–	–	–
February	35.4	22.9	37.3	19.9	38.1	16.8	95	–	21	50	2	–	–	–	–
March	34.9	22.9	37.4	20.3	38.0	18.5	95	–	115	82	9	–	–	–	–
April	33.6	22.8	36.5	20.3	37.8	19.2	95	–	186	87	11	–	–	–	–
May	32.6	22.5	35.3	20.1	37.8	19.6	96	–	145	78	12	–	–	–	–
June	30.7	21.9	33.7	19.9	34.5	18.8	97	–	215	93	18	–	–	–	–
July	29.1	21.7	31.4	19.7	32.7	18.6	96	–	96	69	11	–	–	–	–
August	29.2	21.5	32.3	19.5	34.0	17.0	95	–	47	37	11	–	–	–	–
September	30.5	21.4	33.5	19.7	34.7	19.2	95	–	97	75	10	–	–	–	–
October	31.6	21.7	33.6	19.9	35.1	19.3	96	–	132	79	13	–	–	–	–
November	32.9	22.0	34.5	19.6	35.1	18.2	96	–	40	51	5	–	–	–	–
December	33.4	22.1	35.0	18.1	35.8	16.6	95	–	9	16	1	–	–	–	–
Year	32.3	22.1	37.6*	16.1*	38.1	14.4	95	–	1119	93	104	–	–	–	–
No. of Years	7	7	7	7	7	7	7	–	7	7	7	–	–	–	–

---

*Average of highest/lowest each year

TUNISIA

Béja 36°44′N 09°11′E 234 m

Period 1950–54 1964–70 Bibliography 93, 94, 96	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	13.6	4.6	19.0	−0.4	21.2	−1.8	87	73	123	62	12	–	–	–	–
February	15.6	5.1	23.3	0.2	27.4	−3.0	88	69	74	37	9	–	–	–	–
March	17.4	6.5	25.0	0.8	33.0	−2.5	87	65	61	51	9	–	–	–	–
April	20.6	8.5	29.0	2.5	32.2	0.0	84	63	55	40	7	–	–	–	–
May	25.7	11.3	34.7	6.1	39.2	3.0	74	53	33	42	5	–	–	–	–
June	31.2	15.9	40.7	10.0	44.4	5.2	69	53	11	13	2	–	–	–	–
July	34.1	18.1	41.5	12.9	44.8	8.5	67	51	5	15	1	–	–	–	–
August	34.7	19.3	39.1	12.8	46.0	10.5	69	54	9	28	1	–	–	–	–
September	31.4	15.7	38.7	10.9	42.0	9.6	78	58	27	23	5	–	–	–	–
October	24.8	13.1	32.5	7.4	36.0	1.5	84	57	81	85	7	–	–	–	–
November	19.7	8.3	26.5	3.0	30.2	−0.5	84	63	63	38	8	–	–	–	–
December	15.0	6.5	20.7	0.9	26.2	−2.4	85	69	103	48	11	–	–	–	–
Year	23.7	11.1	44.1*	−1.3*	46.0	−3.0	80	61	645	85	77	–	–	–	–
No. of Years	12	12	12	12	12	12	9	9	12	9	12	–	–	–	–

Bizerte 37°15′N 09°48′E 5 m

Period 1946–70 Bibliography 93, 94, 95, 96, 97	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	14.6	7.4	19.3	2.5	23.7	0.4	83	69	132	35	14	142	–	–	–
February	15.4	7.5	21.0	2.8	25.1	0.2	83	66	86	60	13	164	–	–	–
March	17.1	9.0	24.4	4.0	31.2	0.5	84	62	48	62	10	218	–	–	–
April	19.4	10.9	27.2	5.2	30.3	1.6	83	61	43	45	7	237	–	–	–
May	23.3	13.8	32.0	8.0	36.7	2.7	81	59	39	42	6	305	–	–	–
June	27.4	17.4	35.6	12.8	39.0	8.8	77	55	8	24	3	331	–	–	–
July	30.5	20.0	38.0	15.6	44.7	11.1	78	52	< 1	1	1	384	–	–	–
August	30.7	21.1	38.9	16.7	43.6	13.4	80	54	7	20	1	355	–	–	–
September	28.6	19.6	36.4	14.9	41.6	12.0	84	58	27	27	6	266	–	–	–
October	24.3	16.0	30.0	10.4	35.2	4.9	85	63	90	51	11	209	–	–	–
November	20.0	12.2	26.1	7.3	28.8	3.9	85	61	88	38	13	154	–	–	–
December	15.6	9.8	21.5	3.9	25.3	0.6	83	69	114	51	16	132	–	–	–
Year	22.2	13.7	40.8*	1.8*	44.7*	0.2	82	61	682	62	101	2897	–	–	–
No. of Years	12	12	12	12	12	12	21	21	12	9	11	13	–	–	–

Gabès 33°53′N 10°06′E 4 m

Period 1946–70 Bibliography 93, 94, 95, 96, 97	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	15.9	6.5	20.6	2.3	24.6	−1.0	73	54	20	37	4	230	–	–	–
February	17.8	7.5	26.3	2.4	32.9	0.5	71	51	17	25	3	227	–	–	–
March	19.7	10.3	30.8	5.0	41.0	2.4	74	53	18	30	3	265	–	–	–
April	21.6	13.2	32.4	7.3	37.8	5.1	75	58	15	25	3	264	–	–	–
May	24.2	16.4	33.3	11.1	38.1	8.2	75	62	4	15	2	322	–	–	–
June	27.6	20.9	37.8	15.5	44.3	13.8	73	63	2	5	1	325	–	–	–
July	30.5	22.1	39.3	18.0	44.7	14.0	75	60	< 1	1	< 1	378	–	–	–
August	31.2	23.1	39.9	19.0	45.4	17.1	75	61	1	5	< 1	356	–	–	–
September	29.6	21.4	38.1	16.7	43.8	15.2	78	61	34	52	3	289	–	–	–
October	25.7	16.9	32.1	10.9	39.8	6.8	79	59	65	45	6	245	–	–	–
November	21.9	11.5	29.5	6.6	33.3	5.3	75	53	24	57	3	228	–	–	–
December	17.2	7.7	22.2	3.0	27.9	0.0	75	54	22	68	3	206	–	–	–
Year	23.6	14.8	42.7*	1.2*	45.4	−1.0	75	57	222	68	31	3335	–	–	–
No. of Years	13	13	13	13	13	13	22	22	13	9	13	17	–	–	–

*Average of highest/lowest each year

TUNISIA

Gafsa 34°25′N 08°49′E 313 m

Period 1946–70 Bibliography 93, 94, 95, 96, 97	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	14.1	3.7	19.2	−1.0	22.6	−5.5	80	56	18	37	4	211	–	–	–
February	16.8	5.1	23.6	0.2	29.1	−3.0	73	47	14	27	3	220	–	–	–
March	20.1	8.1	28.6	2.9	36.9	−2.1	73	43	17	24	4	259	–	–	–
April	23.2	11.1	30.9	5.7	34.2	2.1	73	43	17	29	4	261	–	–	–
May	28.1	14.6	35.3	9.7	39.0	6.0	67	37	12	35	3	323	–	–	–
June	33.4	19.2	41.1	14.7	45.2	12.8	62	33	7	17	1	299	–	–	–
July	35.9	21.3	41.4	17.3	45.2	14.8	59	31	5	3	1	371	–	–	–
August	35.7	21.7	42.1	18.2	43.4	15.1	64	33	5	24	1	353	–	–	–
September	31.5	19.1	37.5	14.9	39.5	13.6	74	41	25	79	3	278	–	–	–
October	25.3	14.3	31.7	8.6	36.2	2.6	78	49	28	24	5	248	–	–	–
November	20.2	9.1	26.8	4.0	30.5	0.9	77	50	13	14	3	224	–	–	–
December	15.0	4.8	19.9	−0.2	25.2	−3.5	81	57	16	44	3	209	–	–	–
Year	24.9	12.7	43.1*	−2.0*	45.2	−5.5	72	43	177	79	35	3256	–	–	–
No. of Years	13	13	13	13	13	13	22	22	13	8	13	17	–	–	–

Hammamet 36°24′N 10°37′E 5 m

Period 1950–54 1964–70 Bibliography 93, 94, 96	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	15.3	6.2	19.8	2.1	22.0	−1.0	–	–	49	90	8	–	–	–	–
February	16.6	6.8	22.0	2.9	23.4	1.0	–	–	31	29	6	–	–	–	–
March	18.3	8.6	24.5	4.3	30.0	1.8	–	–	39	23	7	–	–	–	–
April	20.8	10.8	26.6	5.8	30.0	2.2	–	–	34	48	6	–	–	–	–
May	24.3	14.0	30.4	9.5	33.2	7.6	–	–	21	39	4	–	–	–	–
June	28.7	17.7	31.0	11.8	38.0	11.0	–	–	12	19	3	–	–	–	–
July	31.5	19.9	37.5	15.0	41.3	10.0	–	–	3	11	1	–	–	–	–
August	31.4	21.1	36.0	17.5	40.0	14.2	–	–	10	16	2	–	–	–	–
September	29.3	19.5	33.9	15.0	37.8	13.0	–	–	29	26	4	–	–	–	–
October	25.3	15.6	29.5	10.5	32.8	8.0	–	–	91	75	8	–	–	–	–
November	20.9	11.2	26.1	7.0	28.5	5.8	–	–	59	80	6	–	–	–	–
December	17.0	7.9	21.5	4.0	24.6	1.0	–	–	36	52	6	–	–	–	–
Year	23.3	13.3	38.0*	1.9*	41.3	−1.0	–	–	414	90	61	–	–	–	–
No. of Years	12	12	12	12	12	12	–	–	12	10	12	–	–		–

Kairouan 35°40′N 10°06′E 60 m

Period 1946–70 Bibliography 93, 94, 95, 96, 97	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.4	5.3	22.3	−0.2	26.1	−4.0	78	52	24	43	6	188	–	–	–
February	18.5	6.1	26.5	1.3	31.8	−2.2	76	47	18	19	4	199	–	–	–
March	20.6	7.9	29.8	2.3	38.9	−0.1	80	46	46	44	8	231	–	–	–
April	23.5	10.3	32.3	5.0	35.2	3.3	76	45	35	33	5	246	–	–	–
May	28.3	13.5	35.7	8.6	39.2	6.8	79	40	22	32	5	302	–	–	–
June	33.3	17.7	41.3	12.5	44.9	10.1	75	34	11	13	3	306	–	–	–
July	36.5	20.0	43.0	16.4	47.5	13.4	70	30	5	15	1	371	–	–	–
August	36.1	20.7	44.0	16.7	46.3	13.3	75	36	17	22	3	340	–	–	–
September	32.2	18.1	38.9	14.1	42.7	12.8	82	44	37	53	5	263	–	–	–
October	26.3	14.8	33.1	9.2	36.7	5.5	85	51	77	111	6	228	–	–	–
November	22.1	10.1	28.5	4.6	32.2	2.7	80	50	16	55	4	201	–	–	–
December	17.7	6.7	23.5	1.4	29.3	−2.2	77	52	18	47	5	177	–	–	–
Year	26.0	12.6	44.7*	−0.8*	47.5	−4.0	78	44	326	111	55	3052	–	–	–
No. of Years	13	13	13	13	13	13	22	22	13	10	13	14	–	–	–

*Average of highest/lowest each year

TUNISIA

Medenine 33°21′N 10°29′E 110 m

Period 1951–54 1964–69 Bibliography 93, 94, 95, 97	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.7	5.3	22.3	1.3	26.0	−0.3	–	–	18	20	3	–	–	–	–
February	19.6	7.0	28.8	2.2	36.0	0.0	–	–	15	27	2	–	–	–	–
March	22.1	9.6	31.7	4.1	40.0	1.0	–	–	15	51	2	–	–	–	–
April	24.9	11.6	34.9	6.9	40.0	3.1	–	–	15	62	2	–	–	–	–
May	28.8	14.7	38.2	9.5	42.0	7.0	–	–	4	18	1	–	–	–	–
June	33.3	18.6	43.4	13.1	46.0	10.0	–	–	1	4	< 1	–	–	–	–
July	35.6	20.7	43.5	17.0	47.0	13.2	–	–	0	0	0	–	–	–	–
August	35.9	21.3	44.8	17.4	46.0	14.2	–	–	2	7	< 1	–	–	–	–
September	32.7	20.1	40.4	15.7	48.5	12.0	–	–	25	68	2	–	–	–	–
October	28.2	15.9	35.7	9.8	40.0	5.0	–	–	46	147	3	–	–	–	–
November	22.6	10.6	30.8	5.5	36.0	2.5	–	–	10	29	2	–	–	–	–
December	18.1	6.6	26.0	2.3	33.0	0.0	–	–	17	71	3	–	–	–	–
Year	26.5	13.5	45.3*	0.8*	48.5	−0.3	–	–	168	147	20	–	–	–	–
No. of Years	10	10	10	10	10	10	–	–	10	9	10	–	–	–	–

Remada 32°18′N 10°24′E 300 m

Period 1944–58 1966–69 Bibliography 93, 94, 96, 97	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	15.9	5.9	24.5	−2.4	–	–	73	48	19	19	3	–	–	–	–
February	19.4	7.9	31.8	−0.9	–	–	67	41	10	18	2	–	–	–	–
March	22.3	9.6	36.9	2.3	–	–	72	39	10	9	3	–	–	–	–
April	26.3	12.5	39.7	5.7	–	–	71	38	14	29	2	–	–	–	–
May	31.2	15.8	42.3	9.3	–	–	70	33	2	2	1	–	–	–	–
June	35.7	19.5	46.0	12.4	–	–	67	31	3	11	1	–	–	–	–
July	37.2	21.2	47.9	15.5	–	–	70	31	1	–	< 1	–	–	–	–
August	37.5	21.9	46.9	16.7	–	–	70	30	< 1	0	< 1	–	–	–	–
September	33.8	20.2	45.6	12.7	–	–	77	36	7	38	1	–	–	–	–
October	27.3	15.9	38.5	8.9	–	–	81	44	10	15	3	–	–	–	–
November	22.3	11.3	34.0	5.0	–	–	75	45	8	17	2	–	–	–	–
December	16.9	6.9	26.5	−0.3	–	–	77	49	3	5	1	–	–	–	–
Year	27.1	14.1	48.1*	−2.5*	–	–	73	39	87	38	19	–	–	–	–
No. of Years	19	19	19	19	–	–	12	12	10	7	10	–	–	–	–

Sfax 34°43′N 10°41′E 21 m

Period 1946–70 Bibliography 93, 94, 95, 96	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.2	5.2	21.3	−0.0	25.6	−2.0	81	51	19	34	5	218	–	–	–
February	17.8	6.0	25.5	1.3	30.1	−1.0	81	50	16	25	4	215	–	–	–
March	19.7	8.4	27.8	2.7	36.1	−0.8	83	51	20	23	5	244	–	–	–
April	21.8	10.9	29.8	5.3	35.3	2.8	81	51	13	16	4	265	–	–	–
May	25.6	13.9	31.3	9.2	34.2	6.1	77	50	11	19	3	331	–	–	–
June	29.1	18.3	36.3	13.3	43.9	10.8	73	50	3	20	1	339	–	–	–
July	31.7	19.9	37.6	16.5	41.5	13.6	74	47	< 1	1	< 1	390	–	–	–
August	32.0	21.0	39.3	17.4	44.7	14.9	79	50	5	19	1	352	–	–	–
September	29.7	19.8	35.7	15.5	41.6	14.0	83	55	32	67	4	277	–	–	–
October	25.5	15.8	30.9	10.5	36.9	5.9	85	55	66	155	6	249	–	–	–
November	21.7	10.6	27.1	5.3	29.8	2.7	81	51	23	51	4	220	–	–	–
December	17.5	6.8	21.7	1.6	28.3	−0.8	81	52	17	43	4	190	–	–	–
Year	24.0	13.1	40.5*	−0.3*	44.7	−2.0	80	51	225	155	41	3290	–	–	–
No. of Years	13	13	13	13	13	13	22	22	13	10	13	7	–	–	–

*Average of highest/lowest each year

TUNISIA

Sousse 35°49′N 10°38′E 6 m

Period 1949–60 1970 Bibliography 93, 94	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	15.8	6.3	20.8	3.0	23.0	0.7	79	66	31	–	6	–	–	–	–
February	16.9	7.4	23.5	3.9	26.2	1.7	77	62	17	–	5	–	–	–	–
March	18.5	9.5	27.0	5.4	37.6	2.5	77	65	22	–	7	–	–	–	–
April	20.0	11.8	30.8	7.4	33.7	6.0	77	71	32	–	6	–	–	–	–
May	22.5	15.0	31.5	10.6	34.0	9.0	77	73	14	–	4	–	–	–	–
June	28.0	19.8	38.4	15.6	41.0	13.2	75	71	4	–	2	–	–	–	–
July	30.0	21.8	38.2	18.9	44.8	17.0	73	71	1	–	1	–	–	–	–
August	30.7	22.3	38.2	19.4	41.4	18.0	78	71	17	–	2	–	–	–	–
September	29.4	21.0	36.0	17.3	40.0	16.0	81	72	18	–	4	–	–	–	–
October	24.9	16.4	31.7	11.5	36.0	7.8	81	69	48	–	6	–	–	–	–
November	21.4	11.8	26.8	7.9	30.0	6.2	79	64	36	–	5	–	–	–	–
December	17.9	8.9	22.8	5.0	25.3	3.0	79	67	42	–	5	–	–	–	–
Year	23.0	14.3	41.2*	2.3*	44.8	0.7	78	69	282	–	53	–	–	–	–
No. of Years	7	7	7	7	7	7	13	13	7	–	7	–	–	–	–

Thala 35°35′N 08°39′E 1020 m

Period 1951–54 1964–70 Bibliography 93, 94, 96	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	9.8	3.4	16.2	−0.2	21.1	−1.0	–	–	51	38	8	–	–	–	–
February	11.3	4.3	19.1	−0.1	30.0	−3.0	–	–	30	20	5	–	–	–	–
March	15.8	6.3	23.9	1.5	29.0	−2.0	–	–	42	23	7	–	–	–	–
April	20.3	9.3	26.3	4.3	28.0	2.0	–	–	46	23	6	–	–	–	–
May	24.5	12.5	30.5	7.9	34.1	4.0	–	–	50	40	5	–	–	–	–
June	31.2	16.9	35.7	12.2	39.0	8.0	–	–	24	29	3	–	–	–	–
July	33.7	18.7	38.0	14.9	40.0	12.0	–	–	11	15	2	–	–	–	–
August	32.5	17.1	38.5	13.7	42.0	11.0	–	–	34	51	5	–	–	–	–
September	28.6	15.3	34.1	10.5	36.0	6.0	–	–	46	28	6	–	–	–	–
October	23.2	12.3	29.7	7.6	36.0	4.0	–	–	47	53	5	–	–	–	–
November	17.3	7.8	24.2	2.9	31.2	0.1	–	–	37	30	6	–	–	–	–
December	12.7	4.8	19.1	−0.0	22.0	−0.0	–	–	38	17	6	–	–	–	–
Year	21.7	10.7	39.8*	–*	42.0	−3.0	–	–	456	53	64	–	–	–	–
No. of Years	7	7	7	7	7	7	–	–	9	7	9	–	–	–	–

Tunis 36°50′N 10°14′E 3 m

Period 1941–70 Bibliography 92, 93, 94, 95, 96, 97	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	15.0	6.9	19.8	3.2	23.4	1.2	86	68	79	41	13	167	–	–	–
February	16.4	7.3	22.7	3.2	26.2	1.5	92	64	48	28	11	175	–	–	–
March	18.2	8.9	25.6	4.5	35.2	1.9	86	61	41	37	11	223	–	–	–
April	20.7	10.7	28.5	5.6	32.4	3.0	86	60	41	60	8	244	–	–	–
May	24.9	14.0	32.5	9.5	36.8	7.0	81	53	29	41	5	311	–	–	–
June	29.1	18.1	36.5	14.1	40.7	11.3	77	50	12	26	2	330	–	–	–
July	32.1	20.3	39.4	16.7	44.9	14.6	73	45	2	5	1	379	–	–	–
August	32.2	21.2	39.5	17.6	42.0	14.8	79	48	14	20	3	349	–	–	–
September	29.7	19.7	36.6	15.5	41.9	14.3	85	54	26	24	5	269	–	–	–
October	24.9	15.8	31.3	10.9	35.3	8.6	87	59	85	93	9	227	–	–	–
November	20.5	11.8	26.1	7.2	29.4	5.2	87	63	56	42	9	185	–	–	–
December	16.4	8.5	21.2	4.0	24.6	1.6	85	67	47	33	11	152	–	–	–
Year	23.3	13.6	41.1*	2.1*	44.9	1.2	84	58	480	93	88	3011	–	–	–
No. of Years	13	13	13	13	13	13	22	22	13	10	13	24	–	–	–

*Average of highest/lowest each year

UGANDA

Arua 03°01′N 30°55′E 1280 m

Period 1941–62 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	17.3	32.6	14.8	34.4	12.8	66	38	25	29	3	–	–	–	–
February	31.3	17.6	33.6	14.9	36.1	11.1	66	36	43	46	5	–	–	–	–
March	30.4	18.2	33.3	15.8	37.8	13.9	71	44	97	61	9	–	–	–	–
April	28.7	17.9	31.6	15.8	33.3	14.4	82	56	147	82	11	–	–	–	–
May	27.9	17.4	30.0	15.9	33.3	15.4	85	60	160	83	12	–	–	–	–
June	27.2	16.9	29.2	15.2	30.6	13.2	86	63	162	110	13	–	–	–	–
July	26.2	16.3	28.1	14.4	29.4	13.9	89	67	150	90	13	–	–	–	–
August	26.2	16.2	28.6	14.6	31.1	13.6	89	66	220	77	17	–	–	–	–
September	26.9	16.3	28.6	14.7	30.6	13.7	87	62	191	81	14	–	–	–	–
October	27.6	16.9	28.9	14.9	30.0	14.0	84	60	175	69	16	–	–	–	–
November	28.5	17.0	29.6	15.2	31.7	14.4	77	53	103	57	11	–	–	–	–
December	29.1	16.9	30.7	14.8	33.6	12.8	68	46	39	52	5	–	–	–	–
Year	28.4	17.1	34.2*	13.2*	37.8	11.1	79	54	1512	110	129	–	–	–	–
No. of Years	22	22	14	14	14	14	22	22	22	14	14	–	–	–	–

Entebbe 00°03′N 32°27′E 1147 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.7	17.0	29.3	14.1	31.3	10.3	87	63	86	80	10	–	–	–	–
February	26.8	17.4	28.9	14.5	31.1	10.7	87	63	91	84	10	–	–	–	–
March	26.6	17.9	28.8	15.4	30.1	13.5	86	65	179	96	15	–	–	–	–
April	25.8	18.0	27.9	15.5	29.5	10.7	87	70	276	107	22	–	–	–	–
May	25.4	17.9	27.3	15.8	29.2	12.5	86	71	271	283	17	–	–	–	–
June	25.3	17.1	26.9	14.9	29.0	14.0	86	68	107	76	11	–	–	–	–
July	24.8	16.2	27.1	13.6	28.1	10.4	87	67	68	65	9	–	–	–	–
August	25.1	16.2	27.6	13.7	29.5	12.0	88	68	84	112	9	–	–	–	–
September	25.9	16.5	28.3	14.3	29.8	13.1	86	66	78	113	9	–	–	–	–
October	26.3	17.1	28.2	15.3	30.1	14.6	84	65	108	75	13	–	–	–	–
November	26.0	17.3	28.3	15.5	29.9	14.4	85	65	158	91	15	–	–	–	–
December	26.0	17.1	28.4	14.7	30.3	12.7	87	65	121	68	15	–	–	–	–
Year	25.9	17.1	29.8*	12.6*	31.3	10.3	86	66	1627	283	155	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

Fort Portal 00°40′N 30°17′E 1539 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.3	11.9	28.6	9.1	30.1	7.4	88	54	44	31	8	–	–	–	–
February	26.9	12.4	29.3	9.6	31.3	7.8	87	53	67	56	10	–	–	–	–
March	26.4	13.1	29.3	10.5	31.8	9.2	89	60	145	65	18	–	–	–	–
April	25.5	13.9	27.8	11.2	30.0	9.6	90	66	202	80	20	–	–	–	–
May	25.1	13.9	27.2	11.5	28.1	10.5	87	67	147	55	18	–	–	–	–
June	24.8	12.8	26.8	10.1	29.0	8.9	88	63	87	49	11	–	–	–	–
July	24.5	12.4	26.5	9.4	27.2	5.6	90	62	60	51	11	–	–	–	–
August	24.5	12.9	26.8	9.9	28.3	8.2	91	66	128	85	17	–	–	–	–
September	24.7	12.5	26.7	9.6	27.8	7.8	90	70	175	57	21	–	–	–	–
October	24.7	12.8	26.7	10.2	29.4	9.1	89	71	222	56	25	–	–	–	–
November	24.9	13.3	26.8	10.8	27.4	9.4	89	69	165	54	21	–	–	–	–
December	25.3	12.6	27.1	10.0	28.4	8.3	88	63	94	44	14	–	–	–	–
Year	25.3	12.9	29.9*	8.4*	31.8	5.6	89	64	1536	85	194	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	–	–	–	–

*Average of highest/lowest each year

UGANDA

Gulu 02°45′N 32°20′E 1107 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0800	Average of observations at 1400	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.8	16.3	34.2	12.9	35.9	10.5	65	33	17	33	4	276	–	–	–
February	32.2	17.1	34.7	13.9	36.4	11.8	66	34	31	77	5	244	–	–	–
March	31.3	17.7	34.5	15.2	37.2	13.1	74	42	95	105	12	248	–	–	–
April	29.2	17.8	32.3	15.8	35.1	14.2	84	56	169	60	17	228	–	–	–
May	28.2	17.6	30.1	16.1	33.1	14.5	86	61	177	73	18	242	–	–	–
June	27.6	17.0	29.9	15.4	31.1	14.0	85	61	162	83	14	231	–	–	–
July	26.6	16.6	28.9	14.8	30.5	12.8	89	63	173	77	16	192	–	–	–
August	27.0	16.6	29.2	14.7	30.3	13.3	89	63	251	91	19	198	–	–	–
September	28.1	16.6	30.0	14.8	31.7	14.0	85	58	185	68	18	243	–	–	–
October	28.8	16.7	30.5	15.0	32.4	10.5	81	54	173	69	18	251	–	–	–
November	29.6	16.4	31.3	14.3	33.3	12.4	75	47	100	54	12	246	–	–	–
December	30.3	16.3	32.3	13.4	34.4	11.5	70	41	47	52	8	267	–	–	–
Year	29.2	16.9	35.3*	12.5*	37.2	10.5	79	51	1580	105	161	2866	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	6	–	–	–

Jinja 00°28′N 33°11′E 1171 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0800	Average of observations at 1400	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.0	16.5	31.4	13.0	34.3	10.2	83	54	59	81	–	–	–	–	–
February	29.2	17.0	31.5	13.6	35.3	10.4	83	53	68	77	–	–	–	–	–
March	28.9	17.6	31.6	15.1	34.8	13.6	82	57	117	87	–	–	–	–	–
April	27.7	17.8	30.0	15.8	34.1	12.8	86	64	202	65	–	–	–	–	–
May	27.0	17.4	28.7	15.2	29.8	13.0	87	67	153	78	–	–	–	–	–
June	26.8	16.5	28.7	13.8	29.8	12.2	87	64	63	72	–	–	–	–	–
July	26.5	15.7	28.5	12.9	31.3	10.0	89	62	57	54	–	–	–	–	–
August	26.9	15.9	29.5	13.2	31.0	10.8	88	62	85	55	–	–	–	–	–
September	27.8	16.2	30.0	13.7	32.5	12.1	86	59	90	64	–	–	–	–	–
October	28.3	16.8	30.3	14.6	32.9	13.0	81	58	116	90	–	–	–	–	–
November	28.3	16.9	30.4	14.3	32.8	12.2	79	57	138	77	–	–	–	–	–
December	28.2	16.5	30.3	13.5	33.9	10.0	82	58	97	80	–	–	–	–	–
Year	27.9	16.7	32.6*	11.9*	35.3	10.0	84	60	1245	90	–	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	–	–	–	–	–

Kabale 01°15′S 29°59′E 1871 m

Period 1941–70 Bibliography 55, 56, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily Max.	Average daily Min.	Average monthly Max.	Average monthly Min.	Absolute Max.	Absolute Min.	Average of observations at 0800	Average of observations at 1400	Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	23.7	9.9	26.3	7.0	28.2	6.0	96	58	64	42	11	149	–	–	–
February	23.9	10.1	26.7	7.4	28.9	5.7	96	59	82	76	12	157	–	–	–
March	23.6	10.5	26.3	8.0	28.1	6.7	97	63	102	57	16	155	–	–	–
April	22.9	11.4	25.3	8.8	26.5	6.6	97	69	153	54	20	129	–	–	–
May	22.5	11.4	24.8	8.1	26.2	6.2	97	69	103	48	15	115	–	–	–
June	22.8	9.3	25.0	6.0	26.7	4.6	95	59	29	60	4	171	–	–	–
July	23.2	8.7	25.6	5.4	26.8	3.3	93	51	18	45	3	171	–	–	–
August	23.5	9.8	26.2	6.2	28.4	4.6	93	53	48	45	8	149	–	–	–
September	23.8	10.1	26.3	7.3	27.4	5.6	94	58	92	49	13	156	–	–	–
October	23.5	10.3	25.9	7.7	27.4	6.5	94	62	92	43	17	158	–	–	–
November	22.9	10.6	25.2	7.7	26.4	6.4	96	66	111	56	19	135	–	–	–
December	23.0	10.2	25.3	7.6	26.9	5.2	96	64	95	55	16	136	–	–	–
Year	23.3	10.2	27.4*	5.1*	28.9	3.3	95	61	989	76	154	1781	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	15	6	–	–	–

*Average of highest/lowest each year

UGANDA

Kitgum 03°20′N 32°53′E 915 m

Period 1941–70 Bibliography 55, 56, 83, 98	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				per cent		millimetres			hours		hours	
January	34.0	16.1	35.9	12.3	37.7	10.3	64	29	14	2	1	–	–	–	–
February	34.6	17.8	36.9	14.3	38.4	12.2	64	30	23	17	3	–	–	–	–
March	33.6	18.8	37.5	16.1	40.0	15.0	70	38	76	26	8	–	–	–	–
April	31.6	18.8	35.8	16.3	37.9	14.0	80	51	151	57	15	–	–	–	–
May	30.5	18.2	33.3	16.2	35.5	14.8	86	56	162	53	14	–	–	–	–
June	29.8	17.8	32.5	15.4	33.6	14.6	88	56	127	36	13	–	–	–	–
July	28.9	17.3	31.4	15.5	32.0	15.0	90	59	171	74	16	–	–	–	–
August	29.1	17.1	31.5	14.5	31.8	12.4	90	58	197	51	16	–	–	–	–
September	30.5	16.8	32.7	14.5	34.6	11.2	86	52	128	61	14	–	–	–	–
October	31.6	16.9	34.0	14.3	37.0	10.2	82	45	111	65	15	–	–	–	–
November	32.4	16.4	34.4	14.1	38.1	11.0	76	40	60	23	8	–	–	–	–
December	33.1	17.2	35.5	12.5	36.9	10.9	72	36	30	31	5	–	–	–	–
Year	31.6	17.4	38.1*	11.1*	40.0	10.2	79	46	1250	74	128	–	–	–	–
No. of Years	19	19	11	11	11	11	13	13	30	5	5	–	–	–	–

Masindi 01°41′N 31°43′E 1146 m

Period 1941–54 1962–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				per cent		millimetres			hours		hours	
January	30.5	16.6	33.2	14.4	34.9	13.0	74	41	36	38	5	–	–	–	–
February	31.1	17.2	33.7	14.9	36.9	11.4	72	41	40	38	6	–	–	–	–
March	30.2	17.6	33.1	15.5	36.4	14.7	78	49	111	88	12	–	–	–	–
April	28.6	17.7	31.0	15.6	34.3	14.8	83	60	165	66	17	–	–	–	–
May	27.9	17.5	30.3	15.7	31.9	14.8	83	63	154	93	15	–	–	–	–
June	27.4	16.7	29.6	15.0	31.7	13.5	84	62	102	51	12	–	–	–	–
July	26.6	16.2	28.9	14.9	30.7	13.6	87	62	106	69	10	–	–	–	–
August	26.7	16.2	29.2	14.2	30.0	12.3	89	64	143	71	13	–	–	–	–
September	27.5	16.1	29.9	14.4	32.5	13.5	86	62	136	67	15	–	–	–	–
October	27.9	16.5	30.0	15.0	31.4	13.6	84	61	150	63	15	–	–	–	–
November	28.3	16.6	30.3	14.9	33.1	14.4	80	56	119	71	13	–	–	–	–
December	28.8	16.1	30.9	14.5	33.6	12.0	77	50	57	39	9	–	–	–	–
Year	28.5	16.7	34.1*	13.4*	36.9	12.0	81	56	1319	93	142	–	–	–	–
No. of Years	22	22	14	14	14	14	22	22	22	14	7	–	–	–	–

Mbale 01°06′N 34°11′E 1220 m

Period 1941–60 Bibliography 55, 83	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
			degrees Celsius				per cent		millimetres			hours		hours	
January	32.0	15.8	–	–	–	–	71	41	27	–	–	–	–	–	–
February	31.8	16.3	–	–	–	–	70	43	37	–	–	–	–	–	–
March	31.2	16.9	–	–	–	–	73	47	97	–	–	–	–	–	–
April	28.8	17.1	–	–	–	–	79	61	159	–	–	–	–	–	–
May	27.9	16.9	–	–	–	–	82	67	170	–	–	–	–	–	–
June	27.8	16.3	–	–	–	–	82	64	113	–	–	–	–	–	–
July	27.1	16.0	–	–	–	–	82	64	119	–	–	–	–	–	–
August	27.2	15.7	–	–	–	–	81	65	134	–	–	–	–	–	–
September	28.0	15.4	–	–	–	–	78	65	97	–	–	–	–	–	–
October	28.4	15.7	–	–	–	–	75	60	83	–	–	–	–	–	–
November	29.7	15.9	–	–	–	–	73	55	47	–	–	–	–	–	–
December	30.3	15.8	–	–	–	–	74	50	44	–	–	–	–	–	–
Year	29.2	16.1	–	–	–	–	77	57	1127	–	–	–	–	–	–
No. of Years	11	11	–	–	–	–	11	11	20	–	–	–	–	–	–

*Average of highest/lowest each year

UGANDA

Mbarara 00°37′S 30°39′E 1443 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.9	14.0	29.5	11.2	30.9	8.2	87	52	56	65	8	–	–	–	–
February	27.2	14.3	30.1	11.8	32.2	9.3	86	52	59	58	10	–	–	–	–
March	26.8	14.6	29.7	12.0	31.9	10.2	87	56	100	66	13	–	–	–	–
April	26.0	14.8	28.8	12.3	32.2	9.9	89	61	126	121	15	–	–	–	–
May	25.7	14.4	28.0	12.0	29.1	8.8	88	60	87	92	11	–	–	–	–
June	26.2	13.5	28.3	11.1	30.2	8.4	81	51	24	39	4	–	–	–	–
July	26.5	13.2	28.8	10.4	30.3	7.8	82	45	15	41	3	–	–	–	–
August	26.7	14.3	29.3	11.3	31.2	9.0	82	49	59	50	9	–	–	–	–
September	26.3	14.4	28.8	12.0	30.1	10.2	84	57	90	56	13	–	–	–	–
October	25.9	14.4	28.3	11.9	30.0	10.2	84	61	107	58	17	–	–	–	–
November	25.5	14.4	27.7	12.3	30.2	10.5	86	64	122	54	18	–	–	–	–
December	25.7	13.9	28.0	11.6	29.5	8.5	87	60	77	65	13	–	–	–	–
Year	26.3	14.2	30.9*	9.8*	32.2	7.8	85	56	922	121	134	–	–	–	–
No. of Years	29	29	21	21	21	21	29	29	29	21	14	–	–	–	–

Tororo 00°42′N 34°10′E 1226 m

Period 1941–70 Bibliography 55, 56, 57	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	15.9	33.1	13.1	35.6	9.4	67	40	57	55	–	–	–	–	–
February	30.8	16.5	33.3	13.7	36.1	10.7	69	41	70	78	–	–	–	–	–
March	30.2	16.9	33.2	14.7	35.8	12.3	72	45	144	106	–	–	–	–	–
April	28.5	17.0	31.2	15.3	35.0	12.2	79	57	224	80	–	–	–	–	–
May	27.7	16.8	29.6	15.0	31.2	11.5	82	61	212	146	–	–	–	–	–
June	27.4	16.1	29.3	14.5	30.6	10.5	80	57	93	62	–	–	–	–	–
July	27.1	16.0	29.0	13.8	31.2	10.5	82	56	94	72	–	–	–	–	–
August	27.2	15.7	29.4	13.5	30.6	10.6	82	56	121	75	–	–	–	–	–
September	28.3	15.6	30.2	13.8	32.0	11.9	78	53	108	89	–	–	–	–	–
October	28.9	16.0	30.9	14.1	33.4	12.3	74	53	117	57	–	–	–	–	–
November	29.0	16.1	31.0	14.1	33.4	12.2	72	51	109	77	–	–	–	–	–
December	29.3	15.9	31.3	13.5	33.7	10.4	72	47	77	67	–	–	–	–	–
Year	28.7	16.2	34.0*	12.4*	36.1	9.4	76	51	1426	146	–	–	–	–	–
No. of Years	30	30	22	22	22	22	30	30	30	22	–	–	–	–	–

---

*Average of highest/lowest each year

UPPER VOLTA

Bobo Dioulasso 11°10′N 04°18′W 432 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0530	1130							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.4	17.3	36.1	13.5	38.8	10.8	38	16	1	8	< 1	261	–	–	1
February	34.9	19.9	38.2	15.7	39.3	12.2	38	19	5	25	1	247	–	–	< 1
March	36.6	22.6	39.1	18.7	40.6	14.8	49	26	20	40	2	259	–	–	< 1
April	36.0	23.8	39.3	19.7	41.0	16.3	69	40	48	59	5	219	–	–	1
May	34.4	23.5	38.1	19.2	39.8	17.8	82	54	118	69	9	241	–	–	1
June	32.0	21.6	35.8	18.3	37.4	14.8	89	63	126	54	13	220	–	–	< 1
July	30.0	20.9	33.2	18.4	35.0	16.8	93	69	243	121	16	192	–	–	1
August	30.0	20.7	31.7	18.9	33.0	18.0	95	74	342	109	21	152	–	–	2
September	30.1	20.5	33.1	18.5	34.8	17.8	95	69	225	90	18	189	–	–	< 1
October	32.9	21.1	35.2	18.6	36.5	16.5	89	54	74	85	9	250	–	–	< 1
November	34.0	19.9	35.7	16.4	36.4	12.8	73	34	10	40	2	247	–	–	1
December	33.1	17.3	35.4	13.2	37.0	10.0	49	19	3	19	< 1	260	–	–	1
Year	33.1	20.8	39.5*	12.5*	41.0	10.0	72	45	1215	121	96	2737	–	–	8
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

Dori 14°02′N 00°02′W 288 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.4	13.7	37.1	10.1	40.6	7.0	43	14	1	8	< 1	300	–	–	< 1
February	36.5	16.0	40.6	11.5	43.0	9.1	38	12	< 1	< 1	< 1	278	–	–	< 1
March	39.3	19.9	42.3	14.8	45.4	11.0	35	13	3	12	1	300	–	–	< 1
April	41.0	24.1	43.8	18.9	45.6	16.0	42	18	4	13	1	272	–	–	< 1
May	41.0	26.6	44.1	21.5	45.6	17.6	58	29	25	49	4	300	–	–	< 1
June	38.0	25.2	42.5	20.2	44.6	19.0	72	42	79	68	8	286	–	–	< 1
July	34.4	23.4	39.1	19.9	41.4	18.4	84	57	152	90	12	273	–	–	< 1
August	32.2	22.5	36.1	19.6	39.0	18.5	92	67	206	73	16	250	–	–	< 1
September	34.0	22.7	38.2	19.7	40.6	18.6	91	58	102	56	9	264	–	–	< 1
October	37.9	22.2	40.2	18.3	41.7	16.0	79	36	19	49	3	303	–	–	0
November	37.3	17.8	39.7	13.8	41.2	10.5	57	18	1	9	< 1	299	–	–	0
December	33.8	14.4	37.1	10.3	40.0	7.4	48	15	1	7	< 1	297	–	–	0
Year	36.6	20.7	44.5*	8.9*	45.6	7.0	62	32	593	90	54	3422	–	–	< 1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	15	–	–	10

Fada N'Gourma 12°04′N 00°21′E 292 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	34.6	16.3	37.9	12.5	41.0	10.0	41	19	< 1	2	< 1	298	–	–	0
February	36.9	18.7	40.2	14.4	42.6	11.4	38	17	1	2	< 1	275	–	–	< 1
March	39.1	22.5	41.8	18.0	44.2	16.0	44	22	11	43	1	288	–	–	0
April	39.2	25.2	42.1	20.9	44.2	17.5	62	33	25	45	3	249	–	–	< 1
May	37.2	25.1	41.0	20.4	44.2	18.4	76	47	85	65	8	286	–	–	< 1
June	34.0	23.1	38.3	19.7	40.0	18.4	86	58	129	64	12	258	–	–	< 1
July	31.3	22.0	35.4	19.5	38.3	17.0	93	68	196	87	14	233	–	–	< 1
August	29.8	21.5	33.3	19.3	35.4	18.5	96	74	291	112	20	194	–	–	1
September	31.0	21.3	34.1	19.0	35.8	18.0	96	69	208	134	17	215	–	–	< 1
October	35.0	21.4	37.6	18.6	40.0	15.2	91	51	42	38	5	291	–	–	0
November	36.4	18.1	38.2	14.0	40.0	11.8	72	27	3	19	1	294	–	–	0
December	34.7	16.2	37.2	12.5	39.4	8.4	50	20	2	15	< 1	292	–	–	< 1
Year	34.9	21.0	42.3*	11.6*	44.2	8.4	70	42	993	134	81	3173	–	–	1
No. of Years	22	22	22	22	22	22	22	18	22	18	22	16	–	–	11

*Average of highest/lowest each year

UPPER VOLTA

Gaoua 10°20′N 03°11′W 333 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	35.0	18.8	37.7	15.4	39.2	12.8	42	21	2	13	< 1	298	–	–	0
February	36.8	21.3	39.6	17.7	41.2	15.7	45	25	6	24	1	256	–	–	0
March	37.7	23.8	40.4	19.9	41.8	18.8	61	35	29	76	3	258	–	–	1
April	36.2	24.1	39.7	20.3	41.2	18.8	77	48	87	68	7	236	–	–	1
May	34.3	23.3	37.7	19.9	39.5	18.6	85	59	118	91	10	257	–	–	< 1
June	31.9	21.9	35.7	19.1	38.2	18.0	91	66	145	57	12	229	–	–	0
July	30.2	21.5	33.5	19.1	35.6	17.7	93	70	189	88	14	195	–	–	1
August	29.6	21.3	32.7	19.4	34.0	18.9	95	73	235	110	17	155	–	–	1
September	30.6	21.0	33.9	19.2	35.3	18.5	96	71	202	78	18	178	–	–	1
October	33.6	21.5	36.4	19.2	38.8	17.7	92	56	83	65	9	266	–	–	0
November	35.4	20.7	37.4	17.5	41.0	15.2	82	39	21	36	3	279	–	–	< 1
December	34.6	18.8	36.9	15.3	37.8	13.8	55	24	9	35	1	282	–	–	0
Year	33.8	21.5	40.6*	14.6*	41.8	12.8	76	49	1126	110	95	2889	–	–	5
No. of Years	22	22	22	22	22	22	22	18	22	18	22	7	–	–	5

Ouagadougou 12°21′N 01°31′W 304 m

Period 1949–70 Bibliography 11, 13, 14, 15	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	34.1	16.4	37.4	12.8	39.8	9.5	41	14	0	0	0	281	–	–	< 1
February	36.5	18.8	40.0	14.9	40.9	10.4	37	13	3	25	< 1	248	–	–	< 1
March	38.7	22.8	41.4	18.7	42.8	16.2	37	16	7	23	1	273	–	–	< 1
April	39.1	25.7	42.0	21.1	43.2	18.6	52	28	19	30	4	238	–	–	< 1
May	37.1	25.3	41.1	19.7	43.2	17.0	70	43	96	121	8	264	–	–	0
June	34.1	23.6	38.4	19.1	41.3	17.0	81	55	119	57	10	244	–	–	1
July	31.7	22.4	35.5	19.0	37.6	15.0	88	64	181	94	14	223	–	–	1
August	30.3	21.8	33.5	19.3	35.2	18.2	93	70	255	93	19	181	–	–	1
September	31.6	21.7	34.9	19.2	36.4	18.0	93	65	166	110	15	211	–	–	1
October	35.3	22.5	37.6	19.4	39.3	17.6	84	46	40	54	5	273	–	–	< 1
November	36.4	19.9	38.2	15.9	39.7	13.0	64	23	2	11	1	276	–	–	< 1
December	34.2	16.9	36.6	13.3	38.6	10.2	48	16	1	11	< 1	263	–	–	1
Year	34.9	21.5	42.1*	12.0*	43.2	9.5	66	38	889	121	77	2975	–	–	5
No. of Years	22	22	22	22	22	22	22	18	22	18	22	18	–	–	13

---

*Average of highest/lowest each year

ZAIRE

Bambesa 03°27′N 25°43′E 621 m

Period 1941–56 Bibliography 20, 21	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.7	16.8	35.3	12.5	37.3	10.7	95	56	27	40	4	236	64	–	–
February	32.5	17.3	36.6	13.2	39.0	10.5	95	59	64	90	7	211	62	–	–
March	31.1	18.6	35.6	15.0	39.5	13.6	96	64	130	73	14	191	51	–	–
April	30.5	19.0	34.2	16.1	35.5	13.4	96	69	174	68	16	177	48	–	–
May	29.8	18.8	32.6	16.9	33.3	16.1	97	69	206	66	18	197	44	–	–
June	29.0	18.7	31.7	16.7	32.4	15.8	97	71	150	71	17	171	46	–	–
July	28.2	18.2	30.9	15.9	32.2	15.2	97	73	193	94	18	163	43	–	–
August	28.1	18.5	31.2	16.4	32.1	16.0	97	74	207	101	20	132	35	–	–
September	29.2	18.3	32.0	16.6	33.0	15.6	97	70	202	85	18	170	47	–	–
October	29.5	18.5	32.3	16.4	33.0	15.4	96	69	213	81	20	186	50	–	–
November	30.0	18.3	32.6	15.6	33.4	14.0	96	66	129	69	13	199	55	–	–
December	30.2	16.8	33.2	13.5	34.5	10.1	95	60	32	50	6	222	60	–	–
Year	30.0	18.1	36.9*	11.3*	39.5	10.1	96	67	1727	101	171	2255	50	–	–
No. of Years	7	7	7	7	7	7	5	5	16	16	16	7	7	–	–

Banana 06°00′S 12°25′E 2 m

Period 1951–63 Bibliography 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	24.3	31.8	22.1	33.5	21.0	92	73	73	65	7	165	44	–	–
February	30.7	24.3	32.3	22.2	32.9	21.1	92	72	121	78	10	168	48	–	–
March	31.1	24.6	32.8	22.5	33.6	21.1	92	71	162	131	11	181	48	–	–
April	30.8	24.3	32.9	22.1	34.3	21.1	93	73	158	88	13	173	49	–	–
May	29.3	23.5	31.5	21.7	33.0	20.0	91	73	75	77	5	159	44	–	–
June	26.9	21.1	28.7	18.6	30.6	16.4	89	69	< 1	1	< 1	166	47	–	–
July	25.3	19.4	27.0	17.5	28.2	15.4	89	69	< 1	1	1	145	40	–	–
August	25.4	19.5	27.4	17.4	28.9	15.0	89	70	1	2	2	132	36	–	–
September	27.0	22.0	29.0	20.0	30.2	17.9	88	71	7	13	6	95	28	–	–
October	28.7	23.6	30.7	21.9	31.4	21.1	87	72	36	66	9	119	28	–	–
November	29.7	24.2	31.6	21.8	33.1	21.3	89	73	113	120	12	146	39	–	–
December	30.0	24.4	31.6	22.4	32.3	21.7	91	72	85	133	8	170	37	–	–
Year	28.8	22.9	33.2*	17.2*	34.3	15.0	90	71	831	133	84	1819	41	–	–
No. of Years	12	12	12	12	12	12	12	12	12	12	12	12	5	–	–

Boende 00°13′S 20°51′E 351 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	31.1	20.2	34.5	17.9	37.2	16.4	98	71	156	114	9	170	–	–	–
February	31.8	20.2	35.2	17.6	36.5	16.6	97	67	133	81	9	183	–	–	–
March	31.5	20.5	35.4	18.4	36.1	17.3	97	67	206	130	13	181	–	–	–
April	31.4	20.5	34.8	18.8	36.2	18.0	97	68	173	145	12	170	–	–	–
May	31.4	20.6	34.3	18.8	36.0	17.7	98	69	181	109	13	172	–	–	–
June	30.5	20.2	33.3	18.5	35.0	17.3	98	71	135	77	11	173	–	–	–
July	29.5	19.9	32.4	18.1	35.0	17.0	98	74	137	82	10	133	–	–	–
August	29.6	19.9	33.3	18.2	34.0	17.1	98	71	176	108	12	161	–	–	–
September	30.5	19.9	33.9	18.0	36.6	16.9	97	69	185	141	14	159	–	–	–
October	30.5	20.0	33.8	18.3	34.5	17.4	97	70	238	80	16	151	–	–	–
November	30.2	20.1	33.4	18.5	34.5	17.3	97	71	229	105	16	141	–	–	–
December	30.4	20.3	33.6	18.4	37.0	17.2	98	71	160	55	13	161	–	–	–
Year	30.7	20.2	35.7*	17.1*	37.2	16.4	97	70	2109	145	148	1955	–	–	–
No. of Years	12	12	12	12	12	12	6	6	19	13	19	6	–	–	–

*Average of highest/lowest each year

ZAIRE

Eala 00°03′N 18°18′E 350 m

Period 1941–56 Bibliography 20, 21	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				per cent		millimetres			hours		hours	
January	30.4	20.4	33.5	18.3	34.6	15.9	97	71	125	113	8	–	–	–	–
February	31.1	20.7	34.4	18.4	36.5	17.6	95	68	128	85	9	–	–	–	–
March	31.2	20.9	34.9	19.1	35.5	18.0	96	69	147	89	12	–	–	–	–
April	31.3	21.0	34.3	19.2	35.0	18.1	95	71	142	90	12	–	–	–	–
May	30.9	21.0	33.2	19.7	34.0	18.5	95	71	158	72	13	–	–	–	–
June	29.7	20.6	32.7	18.9	34.2	18.4	95	74	113	84	10	–	–	–	–
July	28.8	19.9	31.8	17.5	32.4	17.0	96	74	93	78	7	–	–	–	–
August	29.0	20.0	32.3	17.4	33.5	16.3	95	73	126	90	10	–	–	–	–
September	29.9	19.8	33.1	17.7	33.6	16.2	96	72	191	87	14	–	–	–	–
October	30.1	20.3	33.0	18.6	33.5	17.7	95	71	213	106	16	–	–	–	–
November	29.9	20.3	32.8	18.6	33.1	17.6	96	73	198	79	16	–	–	–	–
December	30.2	20.4	32.8	18.4	33.5	17.5	96	72	122	79	12	–	–	–	–
Year	30.2	20.4	35.3*	16.9*	36.5	15.9	96	72	1755	113	139	–	–	–	–
No. of Years	7	7	7	7	7	7	7	7	16	7	16	–	–	–	–

Gemena 03°17′N 19°47′E 436 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				per cent		millimetres			hours		hours	
January	31.0	19.6	33.7	16.2	34.5	14.7	–	–	52	78	3	–	–	–	–
February	31.9	19.9	34.8	16.8	37.0	14.5	–	–	53	44	5	–	–	–	–
March	31.5	20.4	35.4	17.9	36.5	15.7	–	–	106	70	9	–	–	–	–
April	31.0	20.4	34.7	18.5	37.6	16.3	–	–	143	81	10	–	–	–	–
May	30.7	20.6	33.5	18.6	34.2	17.8	–	–	176	112	12	–	–	–	–
June	29.6	20.2	32.4	18.3	33.4	17.3	–	–	131	11	11	–	–	–	–
July	28.7	19.9	31.5	18.2	32.5	16.1	–	–	148	80	12	–	–	–	–
August	29.0	19.8	31.7	18.4	32.4	17.4	–	–	198	103	14	–	–	–	–
September	29.8	19.5	32.5	17.9	33.2	16.7	–	–	195	95	15	–	–	–	–
October	29.6	19.8	32.7	17.9	33.2	16.6	–	–	223	95	15	–	–	–	–
November	29.8	19.7	32.9	17.8	33.3	16.5	–	–	117	57	10	–	–	–	–
December	30.2	21.0	33.2	17.5	34.3	16.2	–	–	56	42	5	–	–	–	–
Year	30.2	20.1	36.3*	15.7*	37.6	14.5	–	–	1598	112	121	–	–	–	–
No. of Years	8	8	8	8	8	8	–	–	18	18	18	–	–	–	–

Ilebo (formerly Port Francqui) 04°20′S 20°35′E 420 m

Period 1948–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				per cent		millimetres			hours		hours	
January	30.2	21.0	34.2	19.3	35.5	18.5	98	72	157	96	12	146	–	–	–
February	30.5	21.0	34.2	19.2	36.0	18.3	98	71	144	130	11	137	–	–	–
March	30.7	21.1	34.6	19.1	35.6	17.3	98	73	187	110	12	150	–	–	–
April	30.5	21.2	33.7	19.6	34.4	18.8	98	72	196	77	15	153	–	–	–
May	30.5	21.0	32.8	18.9	33.9	17.2	99	70	93	75	9	193	–	–	–
June	30.2	19.5	32.1	16.7	32.8	14.7	99	68	12	24	2	194	–	–	–
July	29.6	19.4	32.1	17.2	33.3	14.6	99	67	17	26	2	188	–	–	–
August	30.3	19.8	33.3	17.5	34.1	14.6	99	63	45	55	5	181	–	–	–
September	30.6	20.3	33.5	18.6	35.3	17.9	97	65	167	90	11	164	–	–	–
October	30.4	20.6	33.6	19.1	34.3	18.4	97	67	201	117	14	161	–	–	–
November	30.0	20.8	33.5	19.1	34.5	17.6	97	69	234	115	16	152	–	–	–
December	29.9	21.0	33.4	19.4	35.1	18.5	98	71	213	104	15	157	–	–	–
Year	30.3	20.6	34.9*	16.1*	36.0	14.6	98	69	1666	130	124	1976	–	–	–
No. of Years	13	13	13	13	13	13	6	6	15	15	15	6	–	–	–

*Average of highest/lowest each year

ZAIRE

Inongo 01°58′S 18°16′E 299 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.0	22.0	33.6	19.8	34.3	18.7	93	73	161	100	9	172	–	–	–
February	30.6	22.1	34.3	20.0	35.1	19.3	93	71	134	82	8	171	–	–	–
March	30.7	22.2	34.5	19.8	35.7	19.3	93	72	157	104	10	175	–	–	–
April	30.9	22.5	34.2	20.5	35.9	19.6	93	72	165	175	9	174	–	–	–
May	30.7	22.3	33.2	20.2	33.8	19.0	93	71	127	145	9	180	–	–	–
June	30.0	22.0	32.5	19.6	33.1	18.2	92	71	50	84	4	196	–	–	–
July	29.4	21.1	31.9	18.6	33.3	17.0	91	69	31	75	2	196	–	–	–
August	29.9	21.5	33.1	19.0	33.9	18.0	90	69	86	105	5	179	–	–	–
September	30.1	21.6	33.6	19.3	34.7	17.0	92	72	188	108	11	168	–	–	–
October	30.2	21.8	33.4	19.3	34.8	17.6	93	73	214	127	13	172	–	–	–
November	29.7	21.5	33.0	19.7	34.6	19.0	94	74	201	87	13	147	–	–	–
December	29.9	21.9	33.1	19.7	33.9	18.8	94	74	163	105	12	148	–	–	–
Year	30.2	21.9	34.9*	18.3*	35.9	17.0	93	72	1677	175	105	2078	–	–	–
No. of Years	11	11	11	11	11	11	6	6	22	13	22	6	–	–	–

Isiro 02°46′N 27°39′E 764 m

Period 1951–63 Bibliography 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.7	17.6	34.1	13.3	37.0	11.3	96	56	46	49	6	213	59	–	–
February	31.2	17.5	35.0	13.4	37.0	8.6	95	54	86	65	7	190	54	–	–
March	30.9	18.5	34.8	15.6	36.3	13.9	96	61	174	47	15	189	49	–	–
April	29.8	18.9	33.1	16.9	34.4	16.3	97	67	248	101	18	174	44	–	–
May	29.6	18.9	32.3	17.3	33.3	15.7	97	69	214	111	19	182	44	–	–
June	28.4	18.5	31.5	16.7	32.2	15.7	97	72	218	137	19	147	36	–	–
July	27.4	18.1	30.2	16.0	31.9	15.2	98	75	201	73	17	118	31	–	–
August	27.5	18.2	30.9	16.3	31.7	15.5	98	75	220	133	19	117	25	–	–
September	29.0	18.2	32.0	16.3	34.1	15.7	97	69	217	71	18	158	41	–	–
October	28.9	18.3	31.8	16.6	32.8	16.1	98	70	309	78	22	167	43	–	–
November	29.4	18.3	32.4	16.3	33.5	15.0	97	67	183	109	18	170	49	–	–
December	29.8	17.9	33.0	14.6	34.6	11.7	96	62	64	33	9	199	53	–	–
Year	29.4	18.2	35.9*	12.2*	37.0	8.6	97	66	2180	137	187	2024	44	–	–
No. of Years	11	11	11	11	11	11	12	12	10	10	10	12	6	–	–

Kalemie (formerly Albertville) 05°52′S 29°11′E 818 m

Period 1951–63 Bibliography 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	28.1	19.3	30.9	17.6	32.7	15.8	93	71	115	80	13	153	39	–	–
February	28.3	19.3	30.5	18.0	31.7	15.0	92	68	96	48	12	157	47	–	–
March	28.2	19.7	30.4	17.7	32.5	16.1	93	70	146	73	13	174	50	–	–
April	27.8	19.7	29.6	18.1	31.4	16.0	93	70	185	90	16	195	51	–	–
May	28.1	18.5	29.6	15.8	30.9	14.4	92	64	719	72	7	256	65	–	–
June	27.4	16.0	29.1	13.8	30.4	10.7	89	57	8	32	1	286	81	–	–
July	26.9	15.0	28.7	12.8	31.5	10.4	85	54	< 1	2	< 1	308	85	–	–
August	28.1	16.3	30.7	13.3	32.2	10.8	80	54	5	15	1	283	78	–	–
September	29.3	18.5	32.6	15.0	34.4	14.0	80	56	42	65	4	244	66	–	–
October	29.8	19.7	32.6	16.0	34.0	9.8	84	59	41	61	5	214	65	–	–
November	27.8	19.6	31.2	17.4	33.4	16.2	89	70	169	62	17	153	44	–	–
December	27.4	19.5	30.2	17.5	31.3	16.4	92	73	175	59	17	149	38	–	–
Year	28.1	18.4	33.2*	12.3*	34.4	9.8	89	64	1701	90	106	2572	59	–	–
No. of Years	12	12	12	12	12	12	11	11	12	12	12	10	5	–	–

---

*Average of highest/lowest each year

ZAIRE

Kamina 08°38′S 25°15′E 1117 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.1	17.5	30.1	16.0	31.4	15.2	96	68	225	118	18	120	–	–	–
February	27.3	17.6	30.1	15.8	31.7	14.5	96	65	191	63	17	100	–	–	–
March	27.8	17.7	30.7	15.7	32.2	10.2	96	64	207	126	17	135	–	–	–
April	28.2	17.6	30.5	16.0	32.9	15.5	94	59	121	76	11	205	–	–	–
May	29.1	16.4	30.6	13.3	32.0	11.5	85	45	14	39	1	298	–	–	–
June	28.6	14.4	30.4	11.6	31.6	10.0	71	36	1	19	< 1	307	–	–	–
July	28.9	14.3	30.7	11.4	32.0	10.2	63	30	3	38	< 1	311	–	–	–
August	30.1	15.7	32.5	12.8	33.9	10.6	67	34	7	30	1	278	–	–	–
September	30.5	17.5	33.2	15.1	35.0	13.8	80	41	37	42	4	222	–	–	–
October	29.0	17.7	32.2	15.2	33.5	12.7	90	56	107	61	10	188	–	–	–
November	27.3	17.6	30.4	15.6	31.9	15.0	94	64	169	85	16	140	–	–	–
December	27.1	17.7	29.6	15.9	30.8	14.6	96	67	252	105	19	120	–	–	–
Year	28.4	16.8	33.4*	10.9*	35.0	10.0	86	52	1334	126	114	2424	–	–	–
No. of Years	12	12	12	12	12	12	10	10	22	13	22	6	–	–	–

Kananga (formerly Luluabourg) 05°53′S 22°25′E 657 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.2	19.5	33.0	17.8	34.6	17.0	96	69	131	60	13	149	41	–	–
February	29.3	19.7	32.8	17.8	34.5	17.0	96	67	129	91	12	134	37	–	–
March	30.0	19.9	33.5	18.1	35.2	17.3	96	66	207	112	16	155	42	–	–
April	30.1	20.0	33.2	18.3	35.1	17.5	96	65	183	67	16	163	44	–	–
May	30.8	19.7	33.2	17.3	35.2	15.8	92	57	93	58	9	223	58	–	–
June	31.0	17.9	33.0	14.9	34.2	13.2	87	47	16	65	2	248	76	–	–
July	29.9	17.7	32.6	14.8	33.8	13.0	93	56	17	60	2	222	59	–	–
August	30.0	18.8	32.8	16.1	34.5	13.5	94	60	45	46	5	197	51	–	–
September	29.7	19.2	32.7	17.1	34.8	15.0	95	64	119	110	11	185	48	–	–
October	29.7	19.3	32.6	17.6	33.0	16.5	96	65	174	179	13	192	51	–	–
November	29.1	19.5	32.3	17.8	33.5	16.8	96	67	233	79	17	154	41	–	–
December	29.0	19.8	32.0	18.0	34.3	17.1	97	69	238	118	16	142	36	–	–
Year	29.8	19.3	34.3*	14.3*	35.2	13.0	95	63	1585	179	132	2164	49	–	–
No. of Years	12	12	12	12	12	12	12	12	21	21	21	12	6	–	–

Kikwit 05°02′S 18°48′E 449 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.7	20.3	33.4	18.4	34.4	17.0	–	–	166	74	13	143	–	–	–
February	30.5	20.4	33.7	18.3	34.5	17.6	–	–	111	100	11	135	–	–	–
March	30.7	20.4	34.2	18.5	34.9	17.8	–	–	215	159	15	146	–	–	–
April	30.8	20.4	33.6	18.8	35.2	17.7	–	–	221	130	17	162	–	–	–
May	31.0	19.7	33.7	16.5	35.3	14.4	–	–	89	80	9	200	–	–	–
June	31.2	17.6	33.5	14.3	34.5	12.1	–	–	8	22	2	245	–	–	–
July	30.8	17.6	33.1	15.1	34.0	12.5	–	–	13	40	1	239	–	–	–
August	31.1	18.5	34.1	15.6	36.5	12.8	–	–	39	62	4	217	–	–	–
September	30.8	19.6	33.9	17.8	36.1	16.7	–	–	159	195	10	172	–	–	–
October	30.2	19.7	33.3	17.8	34.4	17.0	–	–	202	135	13	173	–	–	–
November	29.8	20.0	33.2	18.3	34.9	16.7	–	–	215	99	16	144	–	–	–
December	29.9	20.3	32.9	18.4	34.0	16.8	–	–	170	105	15	147	–	–	–
Year	30.5	19.5	34.6*	13.7*	36.5	12.1	–	–	1608	195	126	2123	–	–	–
No. of Years	11	11	11	11	11	11	–	–	20	20	20	11	–	–	–

*Average of highest/lowest each year

ZAIRE

Kindu 02°57′S 25°55′E 438 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–63 Bibliography 20, 21, 22, 99	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				per cent		millimetres			hours		hours	
January	29.8	20.3	33.9	18.5	36.0	17.6	–	–	170	85	14	148	–	–	–
February	30.3	20.3	34.3	18.3	36.2	14.9	–	–	151	85	13	152	–	–	–
March	30.5	20.4	34.3	18.5	35.9	17.6	–	–	204	136	15	171	–	–	–
April	30.7	20.7	34.0	19.0	35.8	17.6	–	–	160	86	14	168	–	–	–
May	30.7	20.6	33.4	18.9	34.7	17.5	–	–	108	94	9	181	–	–	–
June	30.1	19.5	32.5	17.1	34.7	15.4	–	–	28	43	3	181	–	–	–
July	29.1	19.1	32.3	16.8	35.1	14.5	–	–	34	50	4	153	–	–	–
August	29.7	19.4	33.0	17.6	34.2	16.6	–	–	81	78	6	158	–	–	–
September	30.4	19.7	33.4	17.8	34.7	16.2	–	–	110	91	10	156	–	–	–
October	30.3	19.9	33.5	18.2	34.6	17.3	–	–	148	146	13	165	–	–	–
November	30.2	20.0	33.4	18.5	34.3	16.8	–	–	213	121	16	150	–	–	–
December	29.6	20.3	33.2	18.9	34.7	17.8	–	–	203	133	16	142	–	–	–
Year	30.1	20.0	35.1*	16.3*	36.2	14.5	–	–	1610	146	133	1925	–	–	–
No. of Years	13	13	13	13	13	13	–	–	22	22	22	12	–	–	–

Kinshasa (formerly Leopoldville) 04°19′S 15°18′E 311 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–63 Bibliography 20, 21, 22, 99	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
			degrees Celsius				per cent		millimetres			hours		hours	
January	30.5	21.8	33.5	19.7	34.8	18.0	94	71	128	95	9	129	–	–	–
February	31.1	21.7	34.2	19.4	36.0	18.0	93	70	142	103	10	138	–	–	–
March	31.8	21.6	34.6	19.3	36.0	16.8	94	68	173	98	13	156	–	–	–
April	31.8	21.8	34.6	20.0	36.4	19.2	94	68	222	166	15	162	–	–	–
May	30.6	21.5	33.6	19.3	34.7	18.0	94	71	129	80	10	142	–	–	–
June	28.3	19.0	31.9	15.9	34.5	14.1	93	69	4	17	1	134	–	–	–
July	27.3	17.4	30.9	14.7	32.0	12.4	91	66	3	25	< 1	136	–	–	–
August	28.6	18.1	32.9	15.4	34.0	11.7	87	61	3	25	1	142	–	–	–
September	30.1	20.3	33.9	17.6	34.8	16.0	87	61	46	72	5	129	–	–	–
October	30.7	21.3	34.2	19.0	36.0	17.8	91	65	145	148	10	141	–	–	–
November	30.6	21.4	33.4	19.7	35.4	18.8	94	70	246	112	16	141	–	–	–
December	30.3	21.6	33.3	19.7	34.1	18.2	94	71	161	103	13	137	–	–	–
Year	30.1	20.6	35.3*	14.3*	36.4	11.7	92	68	1402	166	103	1687	–	–	–
No. of Years	11	11	11	11	11	11	9	9	22	22	22	9	–	–	–

Kisangani (formerly Stanleyville) 00°31′N 25°11′E 396 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1951–63 Bibliography 21, 22, 99	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				per cent		millimetres			hours		hours	
January	30.6	21.1	33.9	18.0	36.1	15.9	96	70	111	73	9	182	52	–	–
February	31.2	20.7	34.9	18.1	36.2	15.0	96	67	111	91	9	178	49	–	–
March	31.2	21.1	35.1	18.9	36.1	17.8	96	68	143	90	14	180	48	–	–
April	30.9	21.4	34.5	19.6	35.7	18.8	96	71	179	129	14	180	48	–	–
May	30.6	21.7	33.6	19.4	34.5	18.4	97	71	159	69	13	180	49	–	–
June	29.8	20.8	32.8	19.1	33.7	17.8	97	70	97	44	10	152	39	–	–
July	28.8	20.3	32.2	18.6	33.0	17.8	98	74	95	63	10	138	38	–	–
August	28.8	20.4	32.2	18.4	33.8	17.7	97	73	167	100	14	128	31	–	–
September	29.8	20.4	33.2	18.5	34.1	17.8	97	70	171	87	15	157	44	–	–
October	30.1	20.6	33.1	19.1	33.9	18.5	96	69	217	68	17	172	44	–	–
November	29.9	20.8	32.9	19.3	33.7	18.9	96	70	210	83	17	159	43	–	–
December	29.8	20.7	32.9	18.5	33.9	16.1	97	73	111	79	11	162	46	–	–
Year	30.1	20.8	35.5*	16.9*	36.2	15.0	97	71	1771	129	153	1968	44	–	–
No. of Years	12	12	12	12	12	12	11	11	12	12	12	12	6	–	–

*Average of highest/lowest each year

ZAIRE

Kolwezi 10°45′S 25°28′E 1525 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–63 Bibliography 20, 21, 22, 99	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	25.3	15.5	28.7	13.6	30.5	11.8	–	–	181	59	20	125	–	–	–
February	25.0	15.4	28.4	13.4	30.5	12.0	–	–	170	70	19	101	–	–	–
March	25.9	15.3	28.7	13.1	30.4	11.5	–	–	214	102	19	150	–	–	–
April	26.4	14.3	28.5	11.6	29.4	10.1	–	–	72	62	9	229	–	–	–
May	26.5	11.5	28.7	7.7	30.1	5.1	–	–	6	19	1	302	–	–	–
June	25.2	9.4	27.4	6.2	28.7	2.4	–	–	< 1	1	< 1	307	–	–	–
July	25.5	9.3	27.9	6.5	28.9	3.9	–	–	0	0	0	322	–	–	–
August	27.8	11.4	30.9	7.5	32.6	5.7	–	–	3	31	< 1	308	–	–	–
September	29.6	13.6	31.9	10.5	33.0	8.4	–	–	25	59	3	257	–	–	–
October	29.3	14.7	32.2	12.5	33.5	11.2	–	–	76	59	10	216	–	–	–
November	26.3	15.2	30.4	13.4	32.4	12.5	–	–	190	78	19	151	–	–	–
December	25.5	15.4	28.4	13.7	30.6	12.4	–	–	219	79	21	119	–	–	–
Year	26.5	13.4	32.7*	5.5*	33.5	2.4	–	–	1156	102	121	2587	–	–	–
No. of Years	11	11	11	11	11	11	–	–	22	22	22	5	–	–	–

Kongolo 05°21′S 27°00′E 575 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1942–61 Bibliography 20, 21, 99	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	19.6	34.1	18.3	35.8	15.7	–	–	148	106	11	149	–	–	–
February	30.9	19.6	34.4	18.1	36.1	15.5	–	–	130	91	11	156	–	–	–
March	31.4	19.9	34.8	17.9	36.4	12.9	–	–	165	84	14	179	–	–	–
April	31.7	19.8	34.8	17.6	36.7	16.4	–	–	162	126	13	203	–	–	–
May	32.6	18.6	34.8	14.8	37.0	12.9	–	–	59	58	7	250	–	–	–
June	32.9	16.1	34.6	11.9	36.1	10.3	–	–	12	80	1	265	–	–	–
July	32.8	15.8	34.9	11.3	35.7	9.9	–	–	8	33	1	266	–	–	–
August	32.9	18.0	35.8	13.2	37.0	11.2	–	–	21	27	3	229	–	–	–
September	32.3	19.4	35.5	17.0	36.7	15.0	–	–	60	48	7	187	–	–	–
October	30.7	19.6	34.5	17.5	35.6	15.1	–	–	141	89	12	173	–	–	–
November	29.9	19.3	33.7	17.2	34.5	14.0	–	–	165	68	14	155	–	–	–
December	29.1	20.6	33.6	17.8	34.6	15.7	–	–	161	107	14	146	–	–	–
Year	31.5	18.9	36.0*	10.7*	37.0	9.9	–	–	1232	126	108	2358	–	–	–
No. of Years	12	12	12	12	12	12	–	–	20	20	20	10	–	–	–

Lodja 03°29′S 23°28′E 479 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–63 Bibliography 20, 21, 22, 99	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.4	19.8	35.0	17.9	37.6	16.9	96	71	155	93	12	143	40	–	–
February	30.9	19.8	35.1	17.9	36.5	16.7	96	69	145	85	11	140	41	–	–
March	31.2	19.9	35.5	17.8	36.5	16.7	96	68	175	90	12	154	43	–	–
April	30.9	19.9	34.4	18.1	35.8	16.4	97	71	177	147	12	155	41	–	–
May	31.2	19.7	34.1	17.7	35.5	16.1	97	68	109	100	8	180	50	–	–
June	30.6	18.4	33.2	15.2	34.5	13.5	97	66	36	55	3	171	55	–	–
July	29.7	18.2	32.3	15.2	33.5	12.0	97	71	46	50	4	144	41	–	–
August	30.0	18.6	33.0	16.3	34.2	13.9	97	68	121	80	8	151	40	–	–
September	30.9	19.1	33.9	17.2	36.0	16.1	96	66	196	109	12	170	46	–	–
October	30.9	19.5	33.9	17.5	35.1	16.4	96	66	205	110	13	168	47	–	–
November	27.9	17.9	34.2	17.8	35.2	17.1	96	67	208	86	15	150	42	–	–
December	30.2	19.8	33.9	17.9	36.0	16.8	96	72	205	93	14	129	35	–	–
Year	30.4	19.2	35.9*	14.2*	37.6	12.0	96	69	1778	147	124	1855	43	–	–
No. of Years	11	11	11	11	11	11	11	11	22	13	22	11	5	–	–

*Average of highest/lowest each year

ZAIRE

Lubumbashi (formerly Elisabethville) 11°39′S 27°28′E 1298 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.7	16.9	29.7	15.0	30.6	13.3	95	65	251	116	23	131	32	–	–
February	26.4	16.7	29.2	15.3	30.8	14.3	96	68	281	100	22	119	37	–	–
March	27.0	16.5	29.6	14.3	31.1	12.3	96	64	218	112	19	160	46	–	–
April	27.3	15.3	29.8	11.9	33.4	9.6	94	58	53	84	7	229	65	–	–
May	26.7	11.8	29.1	8.0	30.6	2.9	91	45	2	12	1	290	81	–	–
June	25.0	9.0	27.7	6.0	29.5	3.7	87	41	< 1	2	< 1	294	86	–	–
July	25.3	8.5	27.6	5.9	29.0	3.8	81	35	0	0	0	315	88	–	–
August	27.5	10.5	31.1	6.8	34.0	3.4	71	30	0	0	0	316	88	–	–
September	30.6	13.8	33.2	10.6	36.1	9.2	66	28	2	16	1	290	82	–	–
October	31.6	16.0	34.4	13.0	36.7	10.3	70	31	30	56	5	277	76	–	–
November	28.6	16.8	32.5	14.8	34.6	13.1	88	54	171	88	15	187	49	–	–
December	26.8	16.8	30.1	14.9	32.1	13.4	95	64	266	81	23	132	33	–	–
Year	27.5	14.1	34.5*	4.9*	36.7	2.9	86	49	1274	116	116	2740	64	–	–
No. of Years	13	13	13	13	13	13	11	11	22	13	22	12	7	–	–

Luputa 07°08′S 23°44′E 877 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	28.2	18.7	31.6	17.2	32.9	16.0	96	69	193	87	14	140	–	–	–
February	28.5	18.7	32.0	16.8	34.2	15.2	96	67	165	76	12	136	–	–	–
March	29.1	18.7	32.3	17.4	33.5	16.5	96	66	217	96	15	149	–	–	–
April	29.6	18.6	32.1	17.3	33.3	15.7	96	61	217	78	14	175	–	–	–
May	30.6	17.7	32.3	14.2	34.1	11.7	91	47	50	62	5	221	–	–	–
June	31.1	15.3	32.6	12.1	33.7	10.1	81	37	5	32	< 1	221	–	–	–
July	30.6	15.7	32.8	12.6	33.6	9.8	80	40	6	19	1	222	–	–	–
August	30.8	17.2	33.4	13.9	34.9	11.8	85	45	29	41	3	216	–	–	–
September	30.0	18.3	33.1	16.3	34.7	13.7	92	55	101	66	9	191	–	–	–
October	29.1	18.3	31.9	16.6	32.8	16.2	94	61	175	97	11	194	–	–	–
November	28.4	18.4	31.5	16.7	32.5	15.5	96	65	240	136	15	165	–	–	–
December	27.9	18.8	31.1	17.4	32.4	15.9	97	70	225	118	15	136	–	–	–
Year	29.5	17.9	34.0*	11.3*	34.9	9.8	92	57	1623	136	114	2166	–	–	–
No. of Years	10	10	10	10	10	10	6	6	19	19	19	6	–	–	–

Manono 07°17′S 27°26′E 633 m

Period 1950–63 Bibliography 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.2	19.6	34.5	17.6	36.2	16.2	96	66	169	76	14	–	–	–	–
February	30.7	19.7	34.3	18.1	37.0	16.8	96	65	147	100	13	–	–	–	–
March	31.4	19.9	35.1	18.3	36.2	17.3	96	62	212	120	15	–	–	–	–
April	32.2	19.8	34.6	18.0	37.5	16.6	96	57	119	82	13	–	–	–	–
May	33.3	18.4	35.1	15.0	36.8	12.9	91	43	11	15	2	–	–	–	–
June	33.4	16.0	35.1	12.6	35.9	10.3	80	32	1	7	< 1	–	–	–	–
July	33.8	16.6	35.8	12.9	36.8	10.7	69	28	< 1	< 1	< 1	–	–	–	–
August	34.5	18.0	37.0	14.1	38.4	10.7	69	33	8	41	1	–	–	–	–
September	34.0	19.3	37.6	16.4	38.6	15.6	83	43	44	46	5	–	–	–	–
October	32.5	19.6	36.7	17.3	38.0	15.8	91	55	92	81	9	–	–	–	–
November	30.7	19.3	35.2	17.1	36.5	15.6	96	62	164	83	15	–	–	–	–
December	30.0	19.9	33.9	17.2	35.2	13.6	97	66	192	90	17	–	–	–	–
Year	32.2	18.8	37.8*	11.7*	38.6	10.3	88	51	1159	120	104	–	–	–	–
No. of Years	13	13	13	13	13	13	12	12	13	13	13	–	–	–	–

*Average of highest/lowest each year

ZAIRE

Tshibinda 02°19'S 28°45'E 2055 m

Period 1941–56 Bibliography 20, 21	Temperature.						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						per cent		millimetres			hours		hours	
January	21.9	11.1	24.3	9.1	25.9	7.9	92	67	161	72	17	–	–	–	–
February	21.9	11.4	24.6	9.6	25.3	9.0	92	70	157	70	15	–	–	–	–
March	21.6	11.3	23.9	9.2	24.7	8.8	93	71	192	94	16	–	–	–	–
April	21.1	11.6	23.3	9.4	23.6	8.6	95	75	219	71	20	–	–	–	–
May	20.6	11.8	22.1	9.6	22.3	8.5	94	75	175	68	16	–	–	–	–
June	20.4	10.6	22.2	8.3	22.8	7.6	94	67	51	38	7	–	–	–	–
July	21.0	9.4	23.1	7.0	23.4	5.4	90	56	39	63	4	–	–	–	–
August	22.1	10.4	24.4	8.2	24.9	7.2	86	53	63	51	7	–	–	–	–
September	21.9	10.9	24.8	9.0	25.8	8.0	90	62	128	54	15	–	–	–	–
October	21.8	11.1	24.0	9.2	25.4	8.2	91	66	203	66	19	–	–	–	–
November	21.4	11.2	23.0	9.1	23.6	8.4	92	68	216	77	20	–	–	–	–
December	21.7	11.3	23.6	9.5	24.6	9.0	92	67	223	78	19	–	–	–	–
Year	21.5	11.0	25.2*	7.0*	25.9	5.4	92	66	1827	94	175	–	–	–	–
No. of Years	5	5	5	5	5	5	5	5	16	16	16	–	–	–	–

Watsa 03°04'N 29°30'E 1008 m

Period 1941–63 Bibliography 20, 21, 22, 99	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.7	17.6	34.0	15.2	35.3	12.0	85	48	38	63	5	240	68	–	–
February	31.0	17.8	34.8	15.4	36.5	12.1	82	47	54	72	6	199	60	–	–
March	30.8	18.1	34.7	15.9	38.8	14.6	89	54	135	57	12	201	53	–	–
April	29.6	18.1	33.1	16.3	36.9	14.7	93	62	199	75	16	190	53	–	–
May	28.9	18.0	31.7	16.6	32.8	15.8	95	65	192	94	17	190	51	–	–
June	27.6	17.5	30.4	16.2	32.0	15.5	96	69	190	94	17	165	44	–	–
July	26.5	17.2	29.3	15.7	31.5	14.8	97	73	182	119	17	135	38	–	–
August	26.6	17.1	29.6	15.8	32.1	15.1	97	73	224	90	18	139	34	–	–
September	27.8	17.1	30.8	15.6	32.9	14.9	97	68	168	155	17	171	44	–	–
October	28.5	17.2	31.1	15.9	32.9	15.0	97	67	205	80	19	183	51	–	–
November	29.4	17.5	32.0	16.0	33.6	15.1	93	60	136	57	13	203	58	–	–
December	30.0	17.6	32.8	15.7	34.5	14.5	88	54	41	77	6	235	64	–	–
Year	28.9	17.6	35.7*	14.7*	38.8	12.0	92	62	1764	155	163	2251	51	–	–
No. of Years	11	11	11	11	11	11	11	11	22	13	22	11	5	–	–

---

*Average of highest/lowest each year

ZAMBIA

Chipata (formerly Fort Jameson) 13°33′S 32°35′E 1032 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				per cent		millimetres			hours		hours	
January	27.0	18.2	30.3	15.9	35.6	13.0	83	67	266	–	21	146	37	–	–
February	26.9	18.0	30.0	15.8	31.7	13.9	85	68	233	–	19	137	39	–	–
March	27.4	17.7	30.1	14.7	32.8	11.7	79	61	159	–	17	189	50	–	–
April	27.7	16.6	30.1	13.3	31.7	10.0	74	51	53	–	7	240	68	–	–
May	26.2	14.1	29.4	9.8	31.1	8.0	66	44	3	–	1	270	76	–	–
June	24.7	11.7	28.0	7.4	30.0	3.0	66	40	1	–	< 1	249	73	–	–
July	24.7	11.7	28.1	7.2	30.6	3.9	62	37	< 1	–	< 1	260	74	–	–
August	26.7	13.8	30.6	9.1	33.9	2.8	52	33	< 1	–	< 1	267	74	–	–
September	29.8	17.2	33.8	12.4	35.6	9.0	48	30	1	–	< 1	261	73	–	–
October	32.2	19.9	35.2	15.4	37.2	12.8	57	29	8	–	1	279	73	–	–
November	30.8	19.6	35.1	16.1	37.8	13.9	60	43	96	–	10	207	54	–	–
December	28.2	18.4	31.9	16.1	33.9	15.0	77	62	215	–	19	164	41	–	–
Year	27.7	16.4	35.8*	6.5*	37.8	2.8	67	47	1035	–	95	2669	61	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	26	26	–	–

Kabwe (formerly Broken Hill) 14°27′S 28°28′E 1207 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				per cent		millimetres			hours		hours	
January	26.5	17.4	29.9	15.4	33.3	13.0	91	65	251	–	21	174	44	–	–
February	26.6	17.3	29.6	15.1	31.1	12.2	91	63	177	–	17	151	43	–	–
March	26.6	16.5	29.5	13.1	32.2	11.0	87	58	129	–	12	229	61	–	–
April	26.8	14.5	30.0	10.5	31.7	8.3	80	48	24	–	3	264	75	–	–
May	25.3	11.2	29.1	7.1	31.7	2.2	73	40	2	–	< 1	301	84	–	–
June	23.4	8.6	27.3	4.6	28.9	1.7	71	38	< 1	–	< 1	276	81	–	–
July	23.4	8.5	27.1	4.4	29.0	0.0	68	36	< 1	–	< 1	288	82	–	–
August	25.8	10.7	30.3	6.1	33.3	−0.6	59	31	< 1	–	< 1	304	84	–	–
September	29.4	14.3	33.6	9.8	35.6	5.0	48	24	1	–	< 1	297	82	–	–
October	31.9	17.3	35.5	13.7	37.2	9.4	48	26	22	–	3	295	77	–	–
November	29.3	17.9	34.2	14.9	36.7	11.7	69	45	94	–	11	207	54	–	–
December	27.0	17.4	31.2	15.4	33.9	13.3	84	61	235	–	18	167	42	–	–
Year	26.8	14.3	35.8*	3.5*	37.2	−0.6	72	45	935	–	85	2953	67	–	–
No. of Years	27	27	27	27	27	27	9	9	27	–	27	13	13	–	–

Kaoma (formerly Mankoya) 14°48′S 24°48′E 1132 m

Period 1941–70 Bibliography 68, 69, 100, 101	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				per cent		millimetres			hours		hours	
January	27.9	17.7	32.0	15.3	36.1	13.9	89	62	215	–	20	–	–	–	–
February	27.9	17.7	31.3	15.3	33.0	12.8	91	60	172	–	17	–	–	–	–
March	28.4	16.8	31.4	13.2	34.0	9.0	87	52	121	–	12	–	–	–	–
April	28.8	13.9	31.5	9.2	33.0	4.4	84	42	27	–	4	–	–	–	–
May	27.5	9.3	30.1	4.6	32.0	1.7	82	31	3	–	< 1	–	–	–	–
June	25.5	5.6	28.5	1.1	30.6	−6.0	82	29	1	–	< 1	–	–	–	–
July	25.7	5.7	28.9	1.9	32.8	−0.6	78	26	0	–	0	–	–	–	–
August	28.4	8.0	32.3	3.9	34.4	0.0	65	23	< 1	–	< 1	–	–	–	–
September	31.9	12.6	35.2	7.6	36.1	4.4	50	19	2	–	1	–	–	–	–
October	33.2	16.0	36.7	12.2	38.0	8.3	53	25	28	–	5	–	–	–	–
November	29.8	17.3	34.7	14.7	37.2	11.1	76	47	115	–	14	–	–	–	–
December	28.1	17.6	31.9	15.2	35.0	12.8	85	59	221	–	20	–	–	–	–
Year	28.6	13.2	36.7*	0.5*	38.0	−6.0	77	40	905	–	93	–	–	–	–
No. of Years	26	26	20	20	20	20	9	9	27	–	27	–	–	–	–

*Average of highest/lowest each year

ZAMBIA

Kasama 10°13'S 31°08'E 1384 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	25.9	16.2	28.9	14.7	31.1	13.3	89	67	281	–	23	130	38	–	–
February	26.2	16.3	28.8	14.7	30.0	13.0	92	64	233	–	21	120	38	–	–
March	26.2	16.2	28.6	14.5	30.0	13.9	89	62	249	–	21	171	45	–	–
April	26.3	15.4	28.4	12.7	31.0	10.0	84	55	68	–	8	231	65	–	–
May	25.6	12.7	28.1	9.1	29.4	6.7	76	46	10	–	1	279	77	–	–
June	24.5	10.0	27.3	6.5	30.6	3.9	76	42	1	–	< 1	288	83	–	–
July	24.6	9.6	27.2	6.3	29.0	4.0	71	36	< 1	–	< 1	307	85	–	–
August	26.7	11.1	29.9	7.3	32.8	2.8	64	31	< 1	–	< 1	307	84	–	–
September	29.4	13.9	32.3	10.3	34.4	6.1	56	28	1	–	< 1	285	78	–	–
October	31.1	16.0	33.4	13.5	35.0	11.7	55	28	20	–	3	270	69	–	–
November	28.8	16.5	32.5	14.7	35.0	13.3	74	46	152	–	15	210	48	–	–
December	26.4	16.3	29.5	14.5	32.2	12.8	84	62	264	–	23	158	40	–	–
Year	26.8	14.2	33.5*	5.5*	35.0	2.8	76	47	1279	–	115	2756	63	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	30	30	–	–

Kasempa 13°32'S 25°51'E 1234 m

Period 1941–70 Bibliography 68, 69, 100 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.8	16.4	29.9	14.2	31.1	11.1	91	65	280	–	23	149	37	–	–
February	26.8	16.4	29.5	14.5	30.6	12.8	93	66	236	–	19	132	38	–	–
March	26.9	15.9	29.4	12.6	31.1	9.0	90	59	175	–	16	195	52	–	–
April	27.5	13.1	30.0	9.4	31.1	6.7	85	47	33	–	5	255	73	–	–
May	26.4	9.0	29.2	4.1	31.1	0.6	82	36	< 1	–	< 1	295	83	–	–
June	25.0	5.9	28.0	1.9	29.0	−0.5	81	31	< 1	–	< 1	276	81	–	–
July	25.1	5.8	27.9	1.2	30.0	−1.1	75	29	0	–	0	298	84	–	–
August	27.7	8.2	31.5	2.6	33.3	−1.7	63	26	< 1	–	< 1	298	83	–	–
September	30.9	12.0	34.2	6.8	35.6	4.4	52	23	6	–	1	282	78	–	–
October	31.8	14.4	35.3	10.1	37.2	8.3	58	28	40	–	6	263	68	–	–
November	28.2	16.0	32.8	13.3	35.6	10.0	81	53	165	–	16	180	47	–	–
December	26.8	16.3	30.4	14.3	36.1	10.0	88	64	270	–	21	143	36	–	–
Year	27.5	12.5	35.5*	0.1*	37.2	−1.7	78	44	1205	–	107	2766	63	–	–
No. of Years	25	25	18	18	18	18	9	9	25	–	25	11	11	–	–

Livingstone 17°49'S 25°49'E 986 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	29.2	18.9	33.5	16.3	38.3	10.6	81	55	181	–	18	189	47	–	–
February	29.2	18.7	32.8	16.3	35.6	13.3	84	56	165	–	15	182	52	–	–
March	29.7	17.5	33.0	13.8	37.0	11.0	75	44	88	–	8	245	65	–	–
April	29.9	15.2	33.1	10.3	35.0	4.4	70	36	23	–	4	273	78	–	–
May	27.8	10.4	31.3	5.3	33.0	1.7	65	28	2	–	1	301	86	–	–
June	25.2	6.9	28.9	1.9	31.7	−0.4	65	28	2	–	< 1	288	87	–	–
July	25.5	6.8	29.2	2.4	32.0	−1.7	64	26	0	–	0	298	86	–	–
August	28.4	9.5	32.9	4.4	36.1	−0.6	51	22	< 1	–	< 1	310	87	–	–
September	32.4	14.6	36.6	9.0	38.3	4.4	38	18	2	–	1	294	82	–	–
October	34.6	18.7	38.4	14.0	40.6	8.0	39	21	25	–	4	276	71	–	–
November	32.2	19.2	37.5	15.9	40.0	13.3	60	37	82	–	11	213	55	–	–
December	29.9	18.9	34.7	15.7	38.3	10.0	75	52	172	–	16	192	47	–	–
Year	29.5	14.6	38.8*	1.0*	40.6	−1.7	64	35	742	–	78	3061	70	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	30	30	–	–

*Average of highest/lowest each year

ZAMBIA

Lusaka 15°19′S 28°27′E 1154 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.0	17.3	29.4	15.3	35.0	13.9	87	64	224	–	19	158	39	–	–
February	26.1	17.1	28.9	15.1	31.1	11.7	89	65	173	–	18	151	43	–	–
March	26.3	16.3	29.1	13.4	33.0	10.0	83	56	90	–	12	214	57	–	–
April	26.5	14.9	29.7	11.9	31.7	8.9	78	47	19	–	3	267	76	–	–
May	24.9	12.0	28.3	8.7	30.0	7.0	72	38	3	–	1	279	79	–	–
June	23.1	9.9	26.7	6.3	30.0	0.0	69	36	1	–	< 1	270	80	–	–
July	23.2	9.4	26.6	6.3	29.0	3.0	68	34	< 1	–	< 1	282	80	–	–
August	25.7	11.4	29.8	7.3	33.9	3.9	57	29	1	–	< 1	298	83	–	–
September	29.2	14.5	33.2	10.4	35.0	6.7	47	25	1	–	< 1	285	79	–	–
October	31.4	17.7	35.2	14.1	37.8	10.6	46	26	17	–	3	279	73	–	–
November	29.1	17.8	33.8	14.9	38.3	11.7	65	44	85	–	10	210	55	–	–
December	26.6	17.3	30.8	15.6	33.9	12.8	83	60	196	–	18	171	42	–	–
Year	26.5	14.6	35.5*	5.5*	38.3	0.0	70	44	810	–	84	2864	65	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	30	30	–	–

Mansa (formerly Fort Rosebery) 11°06′S 28°51′E 1253 m

Period 1941–70 Bibliography 68, 69, 100, 101	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.4	17.0	29.6	15.2	32.2	13.9	92	67	235	–	20	–	–	–	–
February	26.6	17.1	29.4	15.5	31.1	13.9	92	65	215	–	18	–	–	–	–
March	26.7	17.0	29.4	14.8	30.6	12.0	91	62	189	–	17	–	–	–	–
April	27.3	15.3	29.6	11.9	31.0	9.4	87	53	56	–	6	–	–	–	–
May	26.3	11.3	29.2	7.2	30.6	4.4	83	43	6	–	1	–	–	–	–
June	25.1	7.7	28.2	4.4	29.4	1.1	81	38	< 1	–	< 1	–	–	–	–
July	24.9	7.0	27.9	4.1	30.0	0.6	78	35	< 1	–	< 1	–	–	–	–
August	26.9	9.1	30.5	5.9	32.2	−0.6	70	31	< 1	–	< 1	–	–	–	–
September	29.7	12.4	32.9	9.1	34.4	4.4	56	27	4	–	1	–	–	–	–
October	31.5	15.1	34.4	12.3	36.1	8.3	58	29	30	–	4	–	–	–	–
November	28.8	16.8	33.0	14.5	35.0	10.6	78	53	138	–	14	–	–	–	–
December	26.7	17.2	29.8	15.3	31.7	13.3	89	64	240	–	21	–	–	–	–
Year	27.2	13.6	34.5*	3.3*	36.1	−0.6	80	47	1113	–	102	–	–	–	–
No. of Years	26	26	18	18	18	18	9	9	26	–	26	–	–	–	–

Mbala (formerly Abercorn) 08°51′S 31°20′E 1673 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.2	14.8	26.6	13.2	29.4	12.2	86	75	230	39	22	136	35	–	–
February	23.7	14.8	26.8	13.3	30.6	12.2	88	73	212	92	20	120	35	–	–
March	24.1	15.1	27.0	13.4	28.3	12.0	87	72	215	64	22	146	39	–	–
April	24.8	14.9	26.8	12.9	28.3	11.1	83	62	115	53	14	213	59	–	–
May	24.5	13.0	26.5	10.1	27.8	8.3	73	47	18	14	4	291	80	–	–
June	23.9	10.8	26.3	7.7	28.3	5.0	69	40	2	< 1	< 1	282	81	–	–
July	24.1	10.3	26.5	7.3	28.9	0.0	67	36	< 1	0	< 1	295	81	–	–
August	25.6	11.8	28.3	9.1	30.0	5.6	60	32	1	0	< 1	291	80	–	–
September	27.5	13.8	29.9	11.0	35.0	7.8	55	33	2	0	1	258	71	–	–
October	28.0	15.4	30.2	12.9	36.1	11.1	55	40	18	43	4	257	67	–	–
November	25.6	15.3	29.3	13.3	31.7	11.7	72	62	124	38	14	171	46	–	–
December	23.6	14.9	27.3	13.3	30.0	11.7	82	72	235	88	22	127	33	–	–
Year	24.9	13.7	30.5*	5.6*	36.1	0.0	73	54	1172	92	123	2587	59	–	–
No. of Years	27	27	27	27	27	27	9	9	27	5	27	14	14	–	–

*Average of highest/lowest each year

ZAMBIA

Mongu 15°15′S 23°09′E 1053 m

Period 1941–70 Bibliography 68, 69, 100 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.0	18.6	31.9	16.7	34.0	15.0	88	63	236	–	21	177	44	–	–
February	27.9	18.8	31.2	16.6	33.3	14.0	88	64	206	–	18	165	47	–	–
March	28.5	18.3	31.4	15.5	34.4	13.0	82	57	130	–	15	214	57	–	–
April	29.4	16.6	31.9	12.5	34.4	7.2	76	44	39	–	5	270	77	–	–
May	28.1	12.5	31.0	6.9	33.0	2.2	65	31	2	–	< 1	304	86	–	–
June	26.1	9.0	29.2	4.1	31.7	−1.7	63	28	1	–	< 1	291	87	–	–
July	26.5	9.2	29.6	4.5	32.2	−2.2	60	25	0	–	0	304	87	–	–
August	29.4	11.8	33.1	6.1	35.6	−1.7	50	21	1	–	< 1	307	85	–	–
September	33.1	15.9	36.2	10.6	38.0	7.0	43	19	2	–	1	282	78	–	–
October	34.0	17.9	37.4	13.6	39.0	9.0	54	26	31	–	6	260	68	–	–
November	30.7	17.9	35.9	14.8	38.3	11.1	77	47	110	–	13	198	52	–	–
December	28.6	18.3	32.8	15.8	37.2	12.8	85	60	206	–	19	177	44	–	–
Year	29.2	15.4	37.7*	2.4*	39.0	−2.2	69	40	964	–	98	2949	68	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	30	30	–	–

Mpika 11°54′S 31°26′E 1402 m

Period 1941–70 Bibliography 68, 69, 100 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.1	16.1	28.4	14.2	30.0	11.7	87	67	285	–	24	124	31	–	–
February	25.3	16.1	28.1	14.1	30.0	12.8	89	67	221	–	21	112	32	–	–
March	25.2	15.9	27.9	13.6	29.4	11.0	85	65	178	–	18	174	46	–	–
April	25.0	15.0	27.5	12.0	30.0	7.8	80	58	28	–	6	234	66	–	–
May	23.5	12.2	26.8	8.0	29.4	5.0	72	49	4	–	1	276	77	–	–
June	22.1	9.7	25.9	4.8	29.4	2.8	70	44	< 1	–	< 1	273	80	–	–
July	21.9	9.1	25.2	4.1	27.8	2.2	69	41	< 1	–	< 1	285	80	–	–
August	23.9	10.4	27.7	4.8	31.7	−1.1	61	36	1	–	< 1	301	83	–	–
September	27.3	13.6	31.3	8.4	33.0	5.0	52	30	< 1	–	< 1	288	80	–	–
October	29.8	16.1	32.7	11.7	35.0	7.8	49	28	7	–	1	298	78	–	–
November	28.3	16.3	32.3	13.4	33.9	11.1	66	45	100	–	10	210	55	–	–
December	25.8	16.2	29.1	14.3	32.2	11.7	83	65	237	–	21	136	34	–	–
Year	25.3	13.9	33.2*	3.2*	35.0	−1.1	72	50	1061	–	102	2711	62	–	–
No. of Years	27	27	27	27	27	27	9	9	27	–	27	27	27	–	–

Mwinilunga 11°45′S 24°26′E 1363 m

Period 1941–70 Bibliography 68, 69, 100 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.0	16.2	29.3	14.1	30.6	12.8	96	68	229	–	24	127	32	–	–
February	26.0	16.2	29.1	14.2	31.1	12.8	96	69	199	–	22	118	34	–	–
March	26.4	16.1	29.2	13.3	31.1	10.0	97	64	265	–	23	152	40	–	–
April	27.2	14.4	29.2	10.4	30.6	7.8	94	53	86	–	10	231	65	–	–
May	26.7	10.0	28.9	5.2	30.0	1.7	92	40	6	–	1	301	84	–	–
June	25.5	6.6	28.1	2.7	29.0	−2.0	90	34	1	–	< 1	288	84	–	–
July	26.0	6.5	28.5	2.7	31.0	0.1	84	30	0	–	0	307	86	–	–
August	28.4	8.8	31.7	4.5	33.2	−0.6	72	28	2	–	< 1	295	81	–	–
September	30.8	12.4	33.3	7.4	35.0	3.9	67	27	16	–	2	255	71	–	–
October	30.2	14.6	33.4	10.7	34.4	8.3	83	39	97	–	11	226	59	–	–
November	27.4	15.8	30.7	13.4	33.3	10.6	92	63	219	–	21	138	36	–	–
December	25.9	16.2	29.2	14.1	32.2	11.7	95	68	256	–	25	127	32	–	–
Year	27.2	12.8	33.6*	1.9*	35.0	−2.0	88	49	1376	–	139	2565	59	–	–
No. of Years	28	28	21	21	21	21	9	9	28	–	28	15	15	–	–

*Average of highest/lowest each year

ZAMBIA

Ndola 13°00′S 28°39′E 1270 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	26.1	16.9	29.1	14.7	31.7	12.2	92	65	324	–	24	139	35	–	–
February	26.3	16.8	29.1	14.5	30.0	10.6	92	64	236	–	20	129	37	–	–
March	26.8	16.1	29.0	13.0	30.6	10.6	88	57	187	–	17	198	52	–	–
April	27.3	13.6	29.5	9.7	31.0	7.2	82	46	39	–	5	249	70	–	–
May	26.0	9.7	28.5	5.6	30.0	1.1	79	38	4	–	1	276	77	–	–
June	24.4	6.8	27.4	3.4	31.1	0.0	78	36	1	–	< 1	270	79	–	–
July	24.7	6.5	27.6	2.8	29.0	−2.2	73	31	< 1	–	< 1	285	80	–	–
August	26.8	9.0	30.3	4.7	32.2	−0.6	61	28	1	–	< 1	295	81	–	–
September	29.9	12.6	32.9	8.1	34.4	3.3	51	24	2	–	1	279	77	–	–
October	31.5	15.4	34.5	11.7	36.1	9.4	53	27	22	–	4	273	71	–	–
November	28.8	16.8	32.6	13.9	35.0	10.6	75	48	142	–	14	195	51	–	–
December	26.5	16.9	29.9	14.7	32.8	11.7	87	63	283	–	22	146	37	–	–
Year	27.1	13.1	34.5*	2.2*	36.1	−2.2	76	44	1241	–	108	2734	62	–	–
No. of Years	28	26	28	28	28	28	9	9	28	–	28	30	30	–	–

Petauke 14°15′S 31°20′E 1028 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	27.3	18.4	30.5	16.0	35.6	14.4	86	65	254	–	19	–	–	–	–
February	27.3	18.2	30.3	16.3	32.2	15.0	87	65	233	–	17	–	–	–	–
March	27.6	17.7	30.4	15.0	32.2	13.0	81	60	133	–	12	–	–	–	–
April	27.9	16.6	30.8	13.0	32.2	10.6	77	51	27	–	4	–	–	–	–
May	26.4	13.8	29.9	10.9	32.0	9.4	72	41	5	–	1	–	–	–	–
June	24.7	11.9	28.4	8.7	30.0	6.7	70	40	< 1	–	< 1	–	–	–	–
July	24.7	11.7	28.1	8.8	30.0	6.1	68	38	< 1	–	< 1	–	–	–	–
August	27.1	13.7	31.4	10.0	34.4	7.2	60	33	2	–	< 1	–	–	–	–
September	30.4	16.6	34.3	12.1	35.6	7.8	51	27	2	–	< 1	–	–	–	–
October	33.1	19.3	36.1	15.4	37.2	12.2	48	27	11	–	2	–	–	–	–
November	31.0	19.2	35.4	16.1	38.3	13.9	63	43	93	–	10	–	–	–	–
December	28.2	18.4	32.7	16.4	35.0	15.0	81	61	207	–	17	–	–	–	–
Year	28.0	16.3	36.5*	8.1*	38.3	6.1	70	46	967	–	82	–	–	–	–
No. of Years	28	28	21	21	21	21	9	9	28	–	28	–	–	–	–

Sesheke 17°28′S 24°18′E 946 m

Period 1948–70 Bibliography 68, 69, 101	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.2	18.3	34.8	15.3	38.3	13.3	82	55	169	–	16	–	–	–	–
February	30.1	18.1	33.6	15.0	36.1	11.7	85	55	174	–	13	–	–	–	–
March	30.1	16.8	33.6	12.4	38.0	8.0	79	51	107	–	9	–	–	–	–
April	29.9	13.8	33.1	7.5	35.0	1.7	73	38	26	–	3	–	–	–	–
May	27.9	8.1	31.7	2.0	34.0	−2.8	71	30	1	–	1	–	–	–	–
June	25.4	3.8	29.4	−1.8	32.2	−7.0	73	28	3	–	< 1	–	–	–	–
July	25.9	3.5	29.3	−1.1	32.0	−5.0	73	31	< 1	–	< 1	–	–	–	–
August	29.1	6.0	33.9	−0.3	36.7	−6.1	60	20	< 1	–	< 1	–	–	–	–
September	33.1	11.1	37.1	4.7	39.0	0.0	43	18	1	–	1	–	–	–	–
October	35.0	16.5	38.8	9.6	40.6	5.0	42	22	28	–	4	–	–	–	–
November	32.2	18.2	37.6	14.5	40.6	10.0	65	38	86	–	11	–	–	–	–
December	30.1	18.2	35.3	14.5	37.8	9.0	77	54	161	–	15	–	–	–	–
Year	29.9	12.7	39.2*	−2.9*	40.6	−7.0	69	37	756	–	73	–	–	–	–
No. of Years	20	20	20	20	20	20	9	9	20	–	20	–	–	–	–

*Average of highest/lowest each year

ZAMBIA

Solwezi 12°11′S 26°41′E 1378 m

Period 1941–51 1961–70 Bibliography 68, 69, 100, 101	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	26.4	16.3	28.6	13.6	30.0	11.7	93	65	304	–	22	–	–	–	–
February	26.3	16.3	29.4	13.5	31.1	10.6	93	65	249	–	19	–	–	–	–
March	26.6	16.2	29.1	12.8	32.8	10.6	94	63	229	–	18	–	–	–	–
April	27.0	13.5	29.4	8.1	31.0	5.6	90	51	58	–	6	–	–	–	–
May	26.0	8.8	28.6	3.2	30.6	1.1	88	39	4	–	1	–	–	–	–
June	24.9	4.9	27.8	1.1	29.0	−3.0	87	33	< 1	–	< 1	–	–	–	–
July	25.1	4.7	27.9	0.7	30.0	−2.0	81	30	0	–	0	–	–	–	–
August	27.3	6.7	30.7	2.6	32.0	0.6	74	27	< 1	–	< 1	–	–	–	–
September	30.1	10.0	32.6	5.7	34.0	4.4	63	25	1	–	1	–	–	–	–
October	30.8	13.4	33.6	8.9	35.0	7.2	70	32	57	–	5	–	–	–	–
November	28.0	15.7	32.0	12.6	33.9	10.6	84	57	200	–	16	–	–	–	–
December	26.3	16.1	29.3	13.5	31.1	12.2	90	66	269	–	21	–	–	–	–
Year	27.1	11.9	33.7*	−0.2*	35.0	−3.0	84	46	1371	–	109	–	–	–	–
No. of Years	20	20	13	13	13	13	8	8	20	–	20	–	–	–	–

Zambezi (formerly Balovale) 13°32′S 23°07′E 1078 m

Period 1941–70 Bibliography 68, 69, 100, 101, 102	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0730	1330							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	28.0	18.0	31.7	15.8	34.4	13.9	89	64	220	–	18	171	43	–	–
February	27.9	18.1	31.2	16.0	32.8	14.4	89	64	197	–	16	137	39	–	–
March	28.5	17.8	31.3	15.1	32.8	12.8	88	57	146	–	14	189	50	–	–
April	29.2	15.8	31.4	11.6	33.0	6.7	80	43	34	–	5	249	71	–	–
May	28.4	11.8	30.9	6.2	32.8	2.2	74	35	2	–	< 1	301	84	–	–
June	26.7	8.6	29.5	3.7	31.1	−0.6	75	33	1	–	< 1	279	82	–	–
July	26.9	7.9	29.4	3.6	31.1	1.1	71	30	< 1	–	< 1	295	83	–	–
August	29.7	11.1	33.1	5.2	37.2	1.7	62	25	1	–	< 1	291	81	–	–
September	33.1	14.9	35.7	9.7	36.7	6.1	47	22	7	–	1	273	76	–	–
October	33.1	17.3	36.6	12.8	38.3	8.9	65	31	47	–	7	260	68	–	–
November	30.0	17.8	34.4	15.1	36.7	11.1	83	51	118	–	13	165	43	–	–
December	28.3	17.9	32.2	16.0	35.6	15.0	87	61	219	–	19	161	40	–	–
Year	29.1	14.7	36.7*	2.3*	38.3	−0.6	76	43	992	–	93	2771	63	–	–
No. of Years	24	24	17	17	17	17	9	9	24	–	24	12	12	–	–

---

*Average of highest/lowest each year

ZIMBABWE

Beitbridge 22°13′S 30°00′E 457 m

Period 1941–70 Bibliography 68, 69, 103, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	33.2	21.9	39.4	17.6	43.3	15.0	63	37	72	–	7	–	–	–	–
February	33.0	21.7	38.4	17.7	42.2	15.0	68	43	43	–	6	–	–	–	–
March	31.7	20.1	37.5	15.3	41.1	11.7	67	38	41	–	4	–	–	–	–
April	30.5	17.2	36.9	11.8	38.9	7.2	68	39	23	–	3	–	–	–	–
May	27.9	12.0	33.6	6.7	36.7	2.8	71	36	5	–	1	–	–	–	–
June	25.2	8.2	30.4	2.8	33.3	−1.1	69	35	5	–	1	–	–	–	–
July	25.4	8.1	30.7	3.3	32.8	−0.6	69	33	1	–	1	–	–	–	–
August	27.4	10.7	32.2	4.8	38.9	0.0	63	33	2	–	1	–	–	–	–
September	30.2	15.1	37.8	8.7	40.0	4.4	57	29	11	–	1	–	–	–	–
October	32.2	18.9	40.4	13.0	43.3	8.9	58	33	23	–	3	–	–	–	–
November	32.9	20.7	40.6	15.6	44.4	11.7	59	37	37	–	5	–	–	–	–
December	31.2	21.3	39.6	16.7	42.8	13.3	64	40	63	–	7	–	–	–	–
Year	30.1	16.3	42.0*	1.7*	44.4	−1.1	65	36	331	–	40	–	–	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	–	–	–	–

Bulawayo 20°09′S 28°37′E 1345 m

Period 1941–70 Bibliography 68, 69, 103, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.2	16.6	31.7	13.0	36.1	10.6	71	45	127	–	13	225	–	–	–
February	27.1	16.3	30.9	13.1	34.4	9.4	76	49	109	–	12	231	–	–	–
March	26.4	15.1	30.7	11.3	35.0	9.4	71	43	58	–	9	247	–	–	–
April	25.9	13.3	30.2	9.3	32.2	6.7	69	40	32	–	4	269	–	–	–
May	23.4	9.9	27.7	6.1	30.6	2.2	65	33	10	–	2	291	–	–	–
June	21.1	7.4	25.5	3.4	28.3	−2.2	64	33	2	–	2	286	–	–	–
July	21.4	7.4	25.6	3.6	28.3	0.0	61	30	< 1	–	1	285	–	–	–
August	23.9	9.3	29.3	4.8	32.2	0.0	57	27	2	–	1	313	–	–	–
September	27.4	12.4	32.8	7.5	35.0	2.8	49	23	7	–	2	297	–	–	–
October	29.6	15.5	34.9	11.1	36.7	7.8	50	27	33	–	4	286	–	–	–
November	28.4	16.2	34.1	12.0	37.2	7.2	57	41	84	–	10	239	–	–	–
December	27.5	16.5	32.2	13.1	35.0	10.0	69	46	123	–	13	241	–	–	–
Year	25.8	13.0	33.4*	2.3*	37.2	−2.2	63	36	587	–	73	3210	–	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	11	–	–	–

Dett 18°43′S 26°56′E 1077 m

Period 1948–70 Bibliography 68, 69, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.0	18.0	32.9	14.6	37.8	12.2	74	56	155	–	17	–	–	–	–
February	28.7	17.7	31.9	14.3	34.4	11.1	81	54	145	–	14	–	–	–	–
March	28.9	15.9	32.5	11.4	36.1	7.8	74	47	73	–	9	–	–	–	–
April	28.8	13.3	31.9	7.1	34.4	2.8	71	40	26	–	4	–	–	–	–
May	26.7	8.0	30.1	2.2	32.8	−2.8	66	31	4	–	2	–	–	–	–
June	24.4	4.2	27.8	−1.9	30.0	−7.2	67	30	1	–	1	–	–	–	–
July	24.8	4.1	28.1	−1.5	30.6	−7.2	65	28	0	–	1	–	–	–	–
August	27.4	6.7	31.7	0.2	33.9	−4.4	54	24	1	–	1	–	–	–	–
September	31.1	11.8	35.1	5.6	36.1	1.7	42	20	6	–	2	–	–	–	–
October	33.1	16.2	37.2	10.7	39.4	5.6	43	24	29	–	4	–	–	–	–
November	30.9	17.7	36.0	13.6	38.9	10.0	58	39	67	–	10	–	–	–	–
December	29.2	17.9	33.8	14.0	37.2	7.2	73	51	146	–	16	–	–	–	–
Year	28.6	12.6	37.5*	−3.5*	39.4	−7.2	64	37	653	–	81	–	–	–	–
No. of Years	21	21	21	21	21	21	9	9	21	–	21	–	–	–	–

*Average of highest/lowest each year

ZIMBABWE

Fort Victoria 20°04′S 30°52′E 1097 m

Period 1941–70 Bibliography 68, 69, 103, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.9	17.2	32.9	13.2	37.8	11.1	75	52	140	–	12	209	–	–	–
February	27.7	17.1	32.4	13.1	36.7	10.0	80	55	109	–	11	204	–	–	–
March	26.6	15.3	31.5	10.9	35.6	8.3	79	50	75	–	9	228	–	–	–
April	26.4	12.9	31.5	7.7	33.9	3.9	78	45	21	–	5	258	–	–	–
May	24.0	8.6	29.4	3.9	32.8	1.7	79	39	7	–	3	270	–	–	–
June	21.6	5.9	26.8	0.7	29.4	−3.9	77	38	9	–	3	250	–	–	–
July	21.8	5.3	27.0	0.8	30.6	−2.8	77	36	1	–	2	261	–	–	–
August	24.2	7.5	30.7	2.2	33.9	2.2	68	32	3	–	2	277	–	–	–
September	27.5	11.1	33.8	5.5	36.7	2.8	57	27	5	–	2	274	–	–	–
October	29.8	14.9	36.2	9.8	38.3	3.9	58	31	22	–	4	270	–	–	–
November	29.1	16.7	35.7	12.1	38.9	8.9	63	43	77	–	9	249	–	–	–
December	28.2	17.2	33.8	13.0	37.2	8.3	72	52	153	–	13	241	–	–	–
Year	26.2	12.5	37.0*	−0.3*	38.9	−3.9	72	42	622	–	75	2991	–	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	6	–	–	–

Gokwe 18°12′S 28°55′E 1284 m

Period 1941–70 Bibliography 68, 69, 103, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.1	17.5	31.1	15.1	35.6	11.1	76	57	198	–	16	–	–	–	–
February	27.1	17.3	30.3	14.7	34.4	11.7	79	60	162	–	15	–	–	–	–
March	27.2	16.4	30.4	13.1	33.3	10.0	73	50	91	–	10	–	–	–	–
April	27.1	14.8	30.4	11.1	33.3	8.3	68	44	35	–	5	–	–	–	–
May	24.9	11.3	28.5	6.9	31.1	2.8	61	36	5	–	1	–	–	–	–
June	22.7	8.5	26.3	4.4	31.1	0.0	59	34	1	–	1	–	–	–	–
July	22.9	8.8	26.4	4.5	28.3	1.1	58	32	< 1	–	< 1	–	–	–	–
August	25.4	11.1	29.6	6.2	32.2	3.3	53	28	1	–	< 1	–	–	–	–
September	29.0	14.7	33.2	9.8	35.6	6.7	45	23	3	–	1	–	–	–	–
October	31.3	17.8	35.4	13.5	37.2	8.3	46	26	27	–	5	–	–	–	–
November	29.2	17.7	34.5	13.8	37.8	10.6	61	41	102	–	12	–	–	–	–
December	27.4	17.4	31.8	15.0	36.1	12.8	74	56	176	–	17	–	–	–	–
Year	26.8	14.4	35.7*	3.3*	37.8	0.0	63	41	801	–	83	–	–	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	–	–	–	–

Kariba 16°31′S 28°46′E 604 m

Period 1948–70 Bibliography 68, 69, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.8	21.9	34.6	20.0	37.8	18.3	78	65	162	–	17	–	–	–	–
February	30.7	21.0	33.5	19.1	35.6	17.8	81	64	176	–	16	–	–	–	–
March	31.3	20.7	34.4	17.7	37.2	15.0	73	56	77	–	9	–	–	–	–
April	31.3	19.2	34.7	15.4	37.2	11.1	69	50	27	–	4	–	–	–	–
May	29.0	15.3	32.6	11.5	36.1	6.7	66	46	5	–	1	–	–	–	–
June	26.7	12.8	30.6	8.9	34.4	2.8	69	44	3	–	2	–	–	–	–
July	26.6	12.8	29.7	9.5	32.8	5.6	65	41	0	–	0	–	–	–	–
August	29.3	15.6	34.2	11.4	36.1	5.0	52	36	1	–	1	–	–	–	–
September	33.2	20.2	37.9	14.8	39.4	10.0	41	31	1	–	2	–	–	–	–
October	35.7	24.2	39.9	19.4	41.4	15.6	39	29	12	–	4	–	–	–	–
November	33.7	23.8	39.1	19.7	41.7	15.6	51	42	70	–	9	–	–	–	–
December	31.0	21.9	36.1	19.3	39.4	17.2	71	59	156	–	17	–	–	–	–
Year	30.8	19.1	40.3*	8.5*	41.7	2.8	63	47	690	–	82	–	–	–	–
No. of Years	13	13	13	13	13	13	9	9	13	–	13	–	–	–	–

*Average of highest/lowest each year

ZIMBABWE

Rusape 18°32′S 32°08′E 1430 m

Period 1941–70 Bibliography 68, 69, 103, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.6	15.4	29.7	11.7	31.7	10.0	78	57	170	–	14	–	–	–	–
February	25.6	15.5	29.5	12.0	32.2	9.4	83	59	146	–	13	–	–	–	–
March	24.9	13.9	28.7	9.6	31.7	5.0	82	53	92	–	11	–	–	–	–
April	24.4	11.7	28.4	6.7	30.0	4.4	82	47	42	–	6	–	–	–	–
May	22.0	7.7	26.3	2.8	28.9	0.0	79	39	10	–	3	–	–	–	–
June	19.8	5.1	24.2	0.5	26.7	−5.6	79	40	8	–	3	–	–	–	–
July	19.9	4.6	24.2	0.0	26.7	−3.3	79	38	4	–	2	–	–	–	–
August	22.4	6.2	27.7	0.9	30.6	−2.8	72	33	5	–	2	–	–	–	–
September	25.5	9.2	30.7	3.4	33.3	0.6	55	26	14	–	3	–	–	–	–
October	28.0	12.8	32.9	7.7	37.8	3.9	53	32	42	–	5	–	–	–	–
November	26.8	14.6	32.2	10.3	40.0	7.2	64	45	108	–	11	–	–	–	–
December	25.8	13.9	30.0	11.0	32.8	5.6	75	57	176	–	14	–	–	–	–
Year	24.2	10.9	33.0*	−0.9*	40.0	−5.6	73	44	817	–	87	–	–	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	–	–	–	–

Salisbury 17°56′S 31°05′E 1479 m

Period 1941–70 Bibliography 68, 69, 103, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.9	15.8	29.2	12.9	33.3	10.6	80	57	178	–	18	198	–	–	–
February	25.9	15.6	28.9	12.3	31.1	9.4	84	58	158	–	15	192	–	–	–
March	25.9	14.4	28.8	10.4	31.7	8.9	80	49	85	–	11	204	–	–	–
April	25.6	12.6	28.7	8.3	30.6	5.6	77	44	39	–	6	255	–	–	–
May	23.4	9.1	26.8	4.9	29.4	2.2	72	37	10	–	3	270	–	–	–
June	21.3	6.7	24.7	2.8	26.1	0.0	73	37	5	–	2	273	–	–	–
July	21.4	6.4	25.0	2.4	27.2	−1.1	72	34	< 1	–	< 1	269	–	–	–
August	23.6	8.2	27.9	3.7	31.1	−0.6	64	30	3	–	1	295	–	–	–
September	26.7	11.2	30.8	6.2	32.2	3.3	52	26	10	–	1	290	–	–	–
October	28.7	14.5	32.8	9.8	35.0	5.6	52	30	31	–	5	289	–	–	–
November	27.1	15.4	31.9	11.7	34.4	8.3	65	44	97	–	11	219	–	–	–
December	26.2	15.6	29.8	12.3	33.3	8.3	76	56	169	–	15	209	–	–	–
Year	25.1	12.1	33.2*	1.7*	35.0	−1.1	71	42	785	–	89	2963	–	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	11	–	–	–

Sinoia 17°22′S 30°13′E 1143 m

Period 1941–70 Bibliography 68, 69, 103, 104	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0800	1400							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.7	17.8	31.3	14.8	36.1	11.7	82	57	217	–	19	–	–	–	–
February	27.7	17.6	30.8	14.6	33.9	11.1	85	59	181	–	15	–	–	–	–
March	28.1	16.1	30.9	12.2	33.3	8.9	80	49	104	–	10	–	–	–	–
April	28.2	13.8	31.0	8.7	33.9	6.1	80	42	33	–	5	–	–	–	–
May	26.1	9.3	29.3	4,0	32.2	0.0	77	35	7	–	2	–	–	–	–
June	24.0	6.3	27.2	1.2	29.4	−3.3	77	33	4	–	1	–	–	–	–
July	24.0	4.7	27.7	0.6	30.0	−3.3	73	30	1	–	1	–	–	–	–
August	26.4	6.8	30.5	2.2	33.9	−1.1	63	26	3	–	1	–	–	–	–
September	29.7	10.8	33.8	5.8	35.6	1.7	51	22	5	–	1	–	–	–	–
October	31.8	15.1	33.9	10.3	38.9	5.0	59	26	29	–	4	–	–	–	–
November	29.7	16.9	35.1	13.3	38.3	10.0	63	40	102	–	12	–	–	–	–
December	28.3	17.2	32.5	14.1	37.2	10.6	77	56	163	–	16	–	–	–	–
Year	27.6	12.7	36.3*	−0.1*	38.9	−3.3	71	40	849	–	87	–	–	–	–
No. of Years	28	28	28	28	28	28	9	9	28	–	28	–	–	–	–

*Average of highest/lowest each year

ATLANTIC OCEAN ISLANDS

Madeira Islands: Areeiro/Madeira 32°43′N 16°55′W 1610 m

Period 1947–70 Bibliography 106, 107	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	8.1	3.4	14.6	−0.3	19.0	−2.6	77	80	498	441	20	–	–	–	–
February	8.1	2.9	14.5	−0.6	19.9	−3.5	71	76	401	248	17	–	–	–	–
March	9.5	3.7	16.3	−0.4	21.0	−2.5	68	74	318	229	16	–	–	–	–
April	9.7	3.8	17.1	0.2	22.0	−1.8	71	78	197	187	15	–	–	–	–
May	12.2	5.9	19.1	1.6	23.5	−0.4	82	88	114	209	11	–	–	–	–
June	15.0	8.1	22.2	3.5	25.2	1.5	65	73	74	434	8	–	–	–	–
July	18.6	10.8	26.5	5.7	32.0	3.7	58	66	13	43	5	–	–	–	–
August	19.1	11.2	26.6	6.4	30.7	4.5	60	66	30	72	8	–	–	–	–
September	16.1	9.6	23.7	6.1	28.9	4.0	78	78	123	215	13	–	–	–	–
October	13.6	8.1	19.9	4.6	27.1	1.5	78	82	327	180	17	–	–	–	–
November	10.5	5.8	17.0	1.9	23.0	−0.9	72	73	478	522	20	–	–	–	–
December	8.3	3.9	14.4	0.3	18.0	−1.1	81	84	427	204	22	–	–	–	–
Year	12.4	6.4	28.1*	−1.3*	32.0	−3.5	72	77	3000	522	172	–	–	–	–
No. of Years	24	24	24	24	24	24	5	5	24	24	24	–	–	–	–

Madeira Islands: Funchal/Madeira 32°38′N 16°54′W 58 m

Period 1941–70 Bibliography 105, 106, 107	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	18.9	13.2	21.6	10.7	25.2	7.5	74	66	99	98	11	158	49	–	–
February	18.8	12.9	21.9	10.4	26.7	7.3	76	67	95	107	10	159	51	–	–
March	19.2	13.3	22.5	10.8	33.8	8.1	75	68	74	48	11	201	54	–	–
April	19.7	13.7	23.1	11.4	28.7	9.7	75	68	40	46	6	216	55	–	–
May	20.7	15.0	24.5	12.8	32.1	11.8	74	69	18	41	4	221	52	–	–
June	22.3	16.9	24.9	14.5	33.4	12.0	77	72	10	58	2	201	47	–	–
July	23.9	18.3	27.3	16.5	38.3	14.8	75	71	2	29	1	240	55	–	–
August	25.2	19.1	28.9	17.5	37.4	15.9	75	69	3	15	1	254	61	–	–
September	25.2	18.9	28.6	17.1	35.1	15.5	74	68	21	63	4	226	61	–	–
October	24.0	17.8	27.6	15.8	33.4	13.1	71	65	68	116	9	204	58	–	–
November	21.8	15.8	24.9	12.8	30.4	9.7	70	65	107	131	11	162	51	–	–
December	19.8	13.9	22.7	11.2	26.5	8.8	74	66	77	52	12	162	52	–	–
Year	21.6	15.7	32.0*	9.7*	38.3	7.3	74	68	614	131	82	2404	54	–	–
No. of Years	29	29	29	29	29	29	5	5	29	29	29	29	29	–	–

Madeira Islands: Porto Santo/Porto Santo Island 33°03′N 16°20′W 78 m

Period 1947–70 Bibliography 106, 107	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	17.9	13.8	20.0	10.7	22.6	8.9	83	78	67	76	13	–	–	–	–
February	17.9	13.4	20.1	10.2	22.9	7.1	84	78	51	42	11	–	–	–	–
March	18.6	13.6	21.2	10.3	25.6	7.0	85	77	44	77	9	–	–	–	–
April	19.1	14.1	21.6	11.1	24.3	9.3	79	69	21	21	7	–	–	–	–
May	20.6	15.4	23.5	13.0	29.6	11.1	82	69	14	24	5	–	–	–	–
June	22.4	17.5	24.4	15.4	26.1	13.8	82	70	6	14	4	–	–	–	–
July	24.0	19.1	26.9	17.2	31.5	13.7	81	69	2	4	3	–	–	–	–
August	25.1	20.1	28.0	18.0	33.0	16.4	79	67	6	17	3	–	–	–	–
September	24.8	19.6	27.0	16.7	31.8	14.5	83	73	13	20	6	–	–	–	–
October	23.3	18.5	26.5	15.5	32.0	12.6	83	75	47	79	10	–	–	–	–
November	20.7	16.5	23.2	13.1	25.4	10.3	83	77	55	56	12	–	–	–	–
December	18.5	14.6	20.9	11.4	23.5	7.6	81	76	56	44	14	–	–	–	–
Year	21.1	16.3	29.4*	9.3*	33.0	7.0	82	73	382	79	97	–	–	–	–
No. of Years	24	24	24	24	24	24	13	13	24	24	24	–	–	–	–

*Average of highest/lowest each year

ATLANTIC OCEAN ISLANDS

Canary Islands: Arrecife/Lanzarote 28°57′N 13°33′W 10 m

Period 1946–70 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	20.9	13.2	23.9	10.8	27.2	9.0	80	65	28	49	5	202	61	–	–
February	21.3	13.0	24.8	10.3	30.2	7.0	80	63	19	42	3	208	65	–	–
March	22.7	13.3	28.0	10.9	32.6	8.0	78	59	16	25	3	245	65	–	–
April	23.3	14.2	27.8	11.6	35.0	9.0	76	56	7	38	2	259	68	–	–
May	24.6	15.0	30.6	11.9	38.8	7.0	75	56	1	8	< 1	296	68	–	–
June	25.7	16.6	30.0	14.5	34.6	12.2	78	59	< 1	5	< 1	288	67	–	–
July	28.1	17.1	35.2	15.6	48.0	12.0	78	59	0	0	0	301	69	–	–
August	29.0	19.1	35.7	16.5	42.0	12.8	78	57	< 1	1	< 1	282	68	–	–
September	28.5	18.6	35.2	15.2	42.0	11.4	81	59	5	30	1	243	65	–	–
October	26.3	15.6	30.8	15.1	34.2	12.4	79	60	5	50	2	236	66	–	–
November	24.5	16.0	27.8	12.9	32.7	8.0	79	61	23	39	4	187	57	–	–
December	21.8	14.0	24.7	11.3	29.4	8.4	82	63	26	44	5	190	59	–	–
Year	24.7	15.5	39.4*	9.5*	48.0	7.0	79	60	130	50	25	2937	65	–	–
No. of Years	21	20	21	20	21	20	19	19	24	23	24	20	20	–	–

Canary Islands: Izaña/Tenerife 28°18′N 16°29′W 2367 m

Period 1941–70 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	7.4	0.8	13.5	−5.0	17.6	−8.0	54	54	79	170	5	233	71	–	–
February	7.8	0.7	13.7	−4.7	19.8	−7.2	55	52	57	205	5	227	72	–	–
March	9.9	1.8	16.1	−4.0	22.0	−7.2	49	50	41	100	5	273	73	–	–
April	11.4	3.0	17.5	−3.5	23.0	−8.2	47	45	29	50	4	298	77	–	–
May	14.4	5.5	20.6	−1.5	25.0	−4.8	40	40	10	32	2	360	85	–	–
June	18.1	9.1	24.0	−2.9	26.5	−1.4	34	34	1	15	< 1	384	91	–	–
July	22.4	13.1	26.9	7.6	28.0	3.2	28	25	< 1	4	< 1	386	90	–	–
August	22.1	13.0	26.5	7.1	28.6	1.2	34	29	2	21	< 1	365	88	–	–
September	18.3	9.9	24.1	3.5	27.2	0.8	45	43	17	76	2	299	80	–	–
October	13.7	6.4	19.1	0.9	21.7	−1.8	55	58	57	350	5	255	71	–	–
November	10.2	3.5	16.2	−1.3	19.6	−3.2	60	60	113	224	8	210	64	–	–
December	7.5	1.4	13.6	−3.6	17.6	−6.8	61	61	95	214	7	214	65	–	–
Year	13.6	5.7	27.2*	−6.3*	28.6	−8.2	47	46	501	350	43	3504	77	–	–
No. of Years	30	30	30	30	30	30	24	24	30	30	29	21	21	–	–

Canary Islands: Punta de Gando/Gran Canaria 27°56′N 15°32′W 10 m

Period 1941–70 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	21.1	13.6	24.8	10.3	27.4	7.0	78	66	20	91	5	179	55	–	–
February	21.9	13.3	24.5	10.3	30.7	7.5	79	66	18	57	4	180	57	–	–
March	21.8	13.9	26.7	10.5	34.0	6.0	79	65	11	26	2	211	57	–	–
April	22.3	14.9	26.2	11.3	36.0	9.0	77	63	7	19	2	237	61	–	–
May	23.3	16.2	27.7	13.0	36.0	11.0	78	65	2	9	1	254	61	–	–
June	24.5	18.0	27.9	15.1	34.6	12.5	78	66	1	10	< 1	268	64	–	–
July	26.1	19.8	32.1	17.0	44.2	13.7	77	64	2	18	< 1	282	66	–	–
August	27.0	20.7	31.4	18.4	38.0	12.5	77	64	< 1	1	< 1	287	69	–	–
September	26.6	20.0	30.3	17.2	36.8	14.8	80	67	4	20	1	242	65	–	–
October	25.7	18.8	29.9	15.4	35.2	13.4	79	66	9	33	3	210	59	–	–
November	24.5	16.6	27.5	12.9	31.8	10.5	77	65	36	130	6	170	53	–	–
December	22.1	14.3	24.3	11.0	27.8	8.5	77	65	29	116	6	169	53	–	–
Year	23.9	16.7	34.4*	13.5*	44.2	6.0	78	65	139	130	30	2689	60	–	–
No. of Years	29	30	29	29	29	29	24	24	28	26	29	21	21	–	–

*Average of highest/lowest each year

ATLANTIC OCEAN ISLANDS

Canary Islands: Punta Orchilla/Hierro 27°42′N 18°09′W Height not known

Period 1945–65 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	22.5	13.7	25.8	11.3	30.9	9.0	–	–	34	42	5	–	–	–	–
February	22.5	13.5	25.6	11.3	29.5	8.8	–	–	25	55	3	–	–	–	–
March	23.2	14.1	27.3	11.9	31.6	8.6	–	–	15	37	3	–	–	–	–
April	24.1	14.5	28.0	12.8	37.7	9.6	–	–	7	24	2	–	–	–	–
May	25.8	15.5	29.8	13.4	34.6	11.7	–	–	1	10	1	–	–	–	–
June	26.6	17.1	29.9	15.1	33.5	14.0	–	–	< 1	2	< 1	–	–	–	–
July	28.2	18.2	33.1	16.4	42.0	15.1	–	–	0	0	0	–	–	–	–
August	28.9	18.9	33.8	16.3	41.0	12.2	–	–	< 1	6	< 1	–	–	–	–
September	29.0	19.1	32.7	17.0	35.2	12.6	–	–	7	80	1	–	–	–	–
October	27.9	18.3	31.5	14.8	37.9	12.0	–	–	18	40	3	–	–	–	–
November	25.1	16.8	28.4	14.0	33.4	12.6	–	–	42	43	5	–	–	–	–
December	23.3	14.7	26.2	12.0	29.4	9.0	–	–	29	50	4	–	–	–	–
Year	25.6	16.2	37.1*	9.8*	42.0	8.6	–	–	178	80	27	–	–	–	–
No. of Years	15	15	15	15	15	15	–	–	17	21	17	–	–	–	–

Canary Islands: Santa Cruz de Tenerife/Tenerife 28°28′N 16°15′W 46 m

Period 1941–70 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	20.7	14.5	23.7	11.9	26.7	9.4	71	63	44	67	8	174	52	–	–
February	21.0	14.4	24.3	11.9	29.0	9.5	69	61	33	67	6	180	57	–	–
March	22.0	14.8	26.2	12.4	31.4	10.0	68	60	27	50	5	225	60	–	–
April	22.7	15.6	26.7	13.4	34.6	11.3	67	56	12	33	4	240	61	–	–
May	24.1	17.0	28.1	14.5	34.5	12.0	69	57	6	46	2	289	67	–	–
June	26.0	18.5	30.2	16.2	36.8	13.4	69	56	1	8	1	312	74	–	–
July	28.6	20.1	34.8	17.9	42.6	16.6	68	52	< 1	< 1	< 1	347	80	–	–
August	28.9	20.7	34.1	18.7	39.0	14.6	68	54	< 1	3	< 1	326	79	–	–
September	27.7	20.4	32.4	18.5	39.2	16.5	72	59	6	37	2	260	69	–	–
October	26.2	19.4	30.1	17.0	38.1	15.0	72	62	33	90	6	214	59	–	–
November	23.6	17.2	26.5	14.7	29.4	11.4	71	63	51	82	9	167	50	–	–
December	20.6	15.6	24.4	13.1	27.6	10.0	71	62	55	104	10	163	50	–	–
Year	24.3	17.3	36.8*	11.1	42.6	9.4	70	59	268	104	53	2897	63	–	–
No. of Years	30	30	30	30	30	30	24	24	30	30	29	21	21	–	–

Canary Islands: Tefia/Fuerteventura 28°36′N 13°59′W 200 m

Period 1945–52 Bibliography 39, 71	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0600	1200							
	degrees Celsius						per cent		millimetres			hours		hours	
January	19.6	12.3	23.4	9.2	29.0	8.0	75	53	42	34	6	–	–	–	–
February	20.7	11.9	24.6	8.0	28.0	6.0	82	49	14	17	3	–	–	–	–
March	23.0	12.7	29.6	9.8	35.5	8.5	77	47	5	10	2	–	–	–	–
April	23.7	14.3	29.9	10.8	36.2	10.0	72	46	10	13	3	–	–	–	–
May	23.6	14.5	27.8	11.4	31.5	10.0	78	52	4	9	1	–	–	–	–
June	25.7	16.5	30.0	13.7	34.5	14.5	82	55	< 1	1	< 1	–	–	–	–
July	27.8	17.9	34.4	15.5	39.2	14.4	83	53	0	0	0	–	–	–	–
August	29.2	18.8	35.8	16.1	39.8	15.0	81	50	< 1	< 1	< 1	–	–	–	–
September	29.0	18.5	34.1	15.5	38.1	14.5	84	56	2	4	2	–	–	–	–
October	26.9	16.9	32.1	13.2	37.5	11.2	86	56	4	4	2	–	–	–	–
November	24.7	15.9	29.7	12.1	32.2	11.5	77	52	15	22	5	–	–	–	–
December	21.1	13.3	24.9	9.5	27.7	8.4	81	57	25	31	6	–	–	–	–
Year	24.6	15.3	37.9*	8.0*	39.8	6.0	80	52	121	34	30	–	–	–	–
No. of Years	8	8	8	8	8	8	5	5	7	7	7	–	–	–	–

*Average of highest/lowest each year

ATLANTIC OCEAN ISLANDS

Cape Verde Islands: Mindelo/St. Vincente 16°53′N 25°00′W 15 m

Period 1941–47 1959–70 Bibliography 54, 108	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	23.4	20.1	25.7	17.9	28.2	15.7	66	64	3	18	1	246	71	–	–
February	23.2	19.8	25.4	17.9	28.7	16.0	66	64	2	13	1	249	76	–	–
March	23.6	20.0	27.0	18.3	30.9	16.7	66	65	1	9	< 1	293	79	–	–
April	23.7	20.4	26.1	19.2	30.2	15.0	65	65	< 1	3	< 1	298	79	–	–
May	24.4	21.1	26.9	19.6	31.5	15.0	67	67	< 1	1	< 1	321	80	–	–
June	25.1	21.8	27.1	20.2	29.5	18.0	69	69	< 1	1	< 1	279	71	–	–
July	26.3	23.0	28.9	21.2	32.9	17.5	71	70	2	12	1	250	62	–	–
August	27.4	24.1	30.0	22.3	33.5	20.9	72	71	17	56	3	237	59	–	–
September	27.9	24.6	30.1	23.0	32.1	21.0	73	73	33	102	5	235	64	–	–
October	27.4	24.2	29.5	22.2	31.0	20.0	70	70	7	35	2	250	68	–	–
November	26.3	23.5	28.4	21.1	30.3	19.4	67	67	5	28	2	251	74	–	–
December	24.4	21.5	26.7	19.0	29.5	17.0	64	64	2	5	1	228	66	–	–
Year	25.3	22.0	31.1*	17.0*	33.5	15.0	68	67	72	102	16	3137	71	–	–
No. of Years	19	20	19	19	19	19	19	19	19	19	19	13	13	–	–

Cape Verde Islands: Praia/Santiago Island 14°54′N 23°31′W 27 m

Period 1941–47 1959–70 Bibliography 54, 108	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	25.4	20.0	28.8	17.8	31.8	15.6	57	55	1	6	< 1	229	65	–	–
February	26.0	19.9	29.9	17.9	32.5	16.2	52	50	< 1	3	< 1	235	72	–	–
March	26.8	20.1	31.4	18.2	35.8	16.5	51	48	< 1	6	< 1	280	75	–	–
April	26.9	20.5	31.6	18.9	34.6	17.0	53	52	< 1	< 1	< 1	285	77	–	–
May	27.5	21.3	31.5	19.7	34.8	18.2	55	55	0	0	0	307	77	–	–
June	28.1	22.0	31.5	20.5	32.4	19.8	59	59	< 1	< 1	< 1	259	66	–	–
July	28.3	23.1	30.9	21.9	32.4	20.8	65	65	11	37	2	209	52	–	–
August	28.9	24.0	31.0	22.4	32.6	20.6	68	67	57	85	6	199	51	–	–
September	29.3	24.2	31.6	22.4	33.8	19.6	70	69	91	154	7	221	60	–	–
October	29.6	23.9	32.3	21.8	34.8	19.6	64	63	28	61	3	254	69	–	–
November	28.4	22.9	31.6	20.9	34.7	19.5	60	59	12	119	1	246	72	–	–
December	26.1	21.2	29.2	19.3	32.4	18.0	59	57	2	36	< 1	214	61	–	–
Year	27.6	21.9	33.4*	17.2*	35.8	15.6	59	58	202	154	19	2938	66	–	–
No. of Years	19	19	19	19	19	19	15	15	19	19	19	11	11	–	–

Cape Verde Islands: Sal-Rei/Boa Vista 16°11′N 22°55′W 10 m

Period 1941–47 1959–70 Bibliography 54, 108	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	24.5	19.0	25.9	17.4	27.2	14.5	75	–	0	0	0	–	–	–	–
February	24.2	19.2	25.9	16.3	27.2	16.0	77	–	1	10	< 1	–	–	–	–
March	24.9	19.6	26.5	18.5	28.4	15.9	78	–	< 1	5	< 1	–	–	–	–
April	25.6	20.1	26.9	18.8	29.5	16.0	77	–	< 1	8	< 1	–	–	–	–
May	26.1	22.3	27.5	19.5	29.5	17.5	76	–	0	0	0	–	–	–	–
June	26.7	23.2	28.1	20.3	29.5	18.1	77	–	< 1	1	< 1	–	–	–	–
July	27.7	24.5	29.4	21.4	31.5	19.9	79	–	8	84	< 1	–	–	–	–
August	28.9	25.3	31.0	21.9	33.5	19.5	78	–	26	70	2	–	–	–	–
September	29.3	26.2	30.8	22.7	33.0	19.0	79	–	43	76	3	–	–	–	–
October	29.1	24.0	30.7	22.1	35.5	20.0	76	–	11	72	1	–	–	–	–
November	27.7	22.5	29.2	20.2	30.5	18.2	75	–	1	11	< 1	–	–	–	–
December	25.8	20.3	27.7	18.5	30.0	15.0	75	–	3	26	< 1	–	–	–	–
Year	26.7	22.2	31.6*	16.5*	35.5	14.5	77	–	93	84	6	–	–	–	–
No. of Years	15	14	15	14	15	14	11	–	18	18	18	–	–	–	–

---

*Average of highest/lowest each year

ATLANTIC OCEAN ISLANDS

São Tomé e Principe: São Tomé 00°23′N 06°43′E 8 m

Period 1941–70 Bibliography 54, 108	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.7	22.2	31.2	20.6	32.5	19.1	81	78	79	63	9	150	40	–	–
February	30.2	22.2	31.7	20.7	33.6	19.6	80	76	86	82	9	147	43	–	–
March	30.4	22.4	32.1	20.6	33.5	18.4	79	74	138	109	12	147	39	–	–
April	30.3	22.3	32.1	20.7	33.4	19.4	79	77	137	118	13	142	41	–	–
May	29.5	22.4	31.3	20.5	33.9	18.5	80	78	127	97	11	143	40	–	–
June	28.1	21.2	29.7	17.9	31.0	14.0	75	74	18	65	2	165	47	–	–
July	27.5	20.3	29.0	17.0	30.7	14.5	73	71	< 1	< 1	< 1	164	44	–	–
August	28.0	20.4	29.6	17.2	31.1	13.4	73	71	1	3	1	145	39	–	–
September	28.7	21.1	30.3	18.7	31.7	15.8	74	74	36	51	5	124	34	–	–
October	28.9	21.6	30.4	19.9	31.5	18.1	77	78	101	170	12	121	32	–	–
November	29.1	21.8	30.7	20.2	31.8	18.6	79	79	100	72	13	135	37	–	–
December	29.1	21.8	30.7	20.2	31.7	19.0	81	79	100	118	10	148	40	–	–
Year	29.1	21.6	32.4*	16.4*	33.9	13.4	77	76	923	170	97	1731	40	–	–
No. of Years	30	30	30	30	30	30	26	26	30	30	30	21	21	–	–

Ascension Island 07°55′S 14°25′W 17 m

Period 1941–70 Bibliography 64	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.6	22.6	31.0	21.1	32.8	17.2	78	63	4	5	4	223	–	–	< 1
February	29.6	22.5	31.7	21.9	32.8	19.4	80	62	7	38	3	238	–	–	1
March	31.1	24.0	32.3	22.4	34.4	19.4	80	62	24	97	5	262	–	–	1
April	29.7	24.1	32.2	22.7	35.0	19.4	79	64	20	55	7	242	–	–	1
May	30.3	23.7	31.5	22.0	32.8	19.4	77	62	10	17	5	244	–	–	< 1
June	29.2	22.9	30.8	21.2	32.8	18.9	75	61	14	40	7	219	–	–	1
July	28.5	22.2	30.0	20.5	31.7	18.9	74	62	12	1	7	211	–	–	< 1
August	27.9	21.6	29.2	20.2	31.1	18.3	73	62	11	7	7	175	–	–	1
September	27.5	21.4	29.0	20.1	31.1	18.3	75	64	9	8	7	132	–	–	1
October	27.8	21.3	29.2	20.1	30.6	18.3	76	64	3	8	8	145	–	–	< 1
November	27.3	21.1	29.5	20.5	30.6	18.9	77	63	4	5	4	153	–	–	1
December	28.7	22.0	29.9	20.9	31.7	19.4	77	62	4	5	4	187	–	–	1
Year	28.9	22.5	32.5*	19.6*	35.0	17.2	77	63	122	97	68	2431	–	–	8
No. of Years	30	30	30	30	30	30	17	17	30	30	30	30	–	–	30

St. Helena 15°58′S 05°42′W 627 m

Period 1941–70 Bibliography 64	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	20.9	15.3	23.8	14.3	27.2	12.8	–	–	57	39	14	–	–	–	–
February	21.9	16.4	24.5	15.4	27.2	13.9	–	–	84	32	9	–	–	–	–
March	21.8	16.7	24.6	15.7	27.8	14.4	–	–	111	41	9	–	–	–	–
April	21.1	16.3	23.9	15.1	26.7	13.9	–	–	73	49	12	–	–	–	–
May	19.8	15.0	23.3	13.4	26.7	11.1	–	–	75	47	14	–	–	–	–
June	18.1	13.6	21.3	12.1	25.0	10.0	–	–	88	39	10	–	–	–	–
July	16.8	12.6	19.9	11.4	23.3	10.6	–	–	96	91	11	–	–	–	–
August	16.2	12.1	19.0	11.0	20.6	10.0	–	–	79	34	12	–	–	–	–
September	16.2	12.1	19.2	11.1	22.8	10.0	–	–	61	19	11	–	–	–	–
October	16.6	12.3	19.6	11.3	22.8	10.6	–	–	47	14	14	–	–	–	–
November	17.9	12.9	21.0	11.9	23.9	11.1	–	–	30	14	16	–	–	–	–
December	19.2	14.0	22.0	12.8	25.6	11.1	–	–	36	14	16	–	–	–	–
Year	18.9	14.1	25.4*	10.8*	27.8	10.0	–	–	837	91	148	–	–	–	–
No. of Years	30	30	30	30	30	30	–	–	30	30	30	–	–	–	–

*Average of highest/lowest each year

ATLANTIC OCEAN ISLANDS

Tristan da Cunha 37°03′S 12°19′W 23 m

Period 1943–61 Bibliography 16, 17, 109	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0700	1300							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	20.0	16.0	23.1	10.6	24.9	7.7	83	79	93	55	18	139	32	–	6
February	20.8	16.5	23.6	11.1	24.9	8.7	82	77	113	109	16	144	36	–	4
March	19.9	15.5	23.4	10.2	25.1	9.0	79	75	121	117	17	145	38	–	5
April	18.4	14.5	21.9	9.2	23.8	5.6	81	78	129	62	20	129	39	–	5
May	16.5	12.7	19.8	7.1	22.4	4.7	80	78	155	70	23	110	36	–	5
June	15.0	11.4	18.3	6.3	20.2	4.3	81	79	160	78	23	99	35	–	6
July	14.2	10.7	17.5	4.9	20.0	2.4	82	79	160	105	25	104	34	–	5
August	13.9	10.1	17.0	4.4	18.6	3.0	82	79	175	77	26	105	33	–	7
September	14.1	10.2	17.1	4.8	18.5	3.6	81	78	169	146	24	119	33	–	6
October	15.2	11.3	18.0	6.7	20.5	4.6	81	79	151	59	22	132	33	–	7
November	16.8	12.9	20.0	8.2	21.7	6.4	82	79	128	53	18	137	33	–	6
December	18.7	14.8	22.0	9.4	24.2	7.2	83	80	127	50	19	131	29	–	8
Year	17.0	13.1	23.9*	3.9*	25.1	2.4	81	78	1681	146	251	1494	34	–	70
No. of Years	15	15	15	15	15	15	15	15	15	14	15	9	10	–	10

Gough Island 40°21′S 09°53′W 54 m

Period 1956–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1230							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	16.8	11.4	22.3	6.7	25.4	5.3	83	75	220	98	22	165	36	–	4
February	17.5	12.2	23.3	7.2	25.7	6.2	84	77	210	131	20	135	35	–	3
March	16.2	11.2	21.5	7.0	23.6	5.3	83	76	233	99	22	121	32	–	4
April	14.9	10.3	19.7	5.8	22.0	4.3	84	78	281	147	23	79	25	–	7
May	13.5	9.1	18.0	4.3	20.5	1.4	84	80	256	81	27	56	18	–	8
June	12.2	7.6	16.8	2.3	19.0	0.1	85	81	338	120	27	37	13	–	11
July	11.4	6.7	15.7	1.5	17.3	−0.9	84	79	294	98	28	45	15	–	10
August	11.1	6.5	15.4	1.4	18.6	−2.7	84	80	349	119	28	69	21	–	7
September	11.3	7.0	16.2	2.1	18.5	0.5	84	78	286	89	25	89	25	–	6
October	12.4	7.8	17.3	3.5	21.4	1.8	84	77	298	151	24	127	31	–	6
November	14.1	9.3	19.0	4.6	22.9	2.4	83	77	257	101	23	148	34	–	3
December	16.0	10.6	21.3	5.6	23.3	4.2	83	76	261	127	22	169	36	–	3
Year	13.9	9.1	23.7*	0.5*	25.7	−2.7	84	78	3283	151	291	1240	27	–	72
No. of Years	15	15	15	15	15	15	15	15	15	15	15	15	15	–	15

---

*Average of highest/lowest each year

INDIAN OCEAN ISLANDS

Socotra 12°38'N 53°53'E 43 m

Period 1941–50 Bibliography 110	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.– mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1630							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	28.0	21.0	29.0	19.0	–	–	77	63	3	–	–	–	–	–	–
February	28.0	21.0	31.0	19.0	–	–	75	59	3	–	–	–	–	–	–
March	30.0	22.0	32.0	19.0	–	–	81	62	10	–	–	–	–	–	–
April	32.0	23.0	34.0	21.0	–	–	79	61	0	–	–	–	–	–	–
May	34.0	27.0	38.0	24.0	–	–	73	60	3	–	–	–	–	–	–
June	33.0	27.0	37.0	24.0	–	–	73	53	31	–	–	–	–	–	–
July	32.0	25.0	33.0	23.0	–	–	67	47	0	–	–	–	–	–	–
August	32.0	26.0	34.0	24.0	–	–	67	48	0	–	–	–	–	–	–
September	32.0	25.0	34.0	23.0	–	–	69	50	3	–	–	–	–	–	–
October	30.0	22.0	33.0	20.0	–	–	76	64	10	–	–	–	–	–	–
November	29.0	22.0	31.0	20.0	–	–	79	65	51	–	–	–	–	–	–
December	28.0	22.0	30.0	19.0	–	–	77	65	81	–	–	–	–	–	–
Year	31.0	23.0	38.0*	19.0*	39.0	18.0	74	58	195	–	–	–	–	–	–
No. of Years	10	10	10	10	10	10	10	10	10	–	–	–	–	–	–

Seychelles: Victoria/Mahé 04°37'S 55°27'E 3 m

Period 1943–63 Bibliography 55, 57, 58	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0630	1530							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	28.8	24.5	31.1	23.0	32.3	22.4	86	79	331	172	21	174	–	–	–
February	29.0	24.8	31.2	22.8	31.9	21.7	87	77	266	475	17	179	–	–	–
March	29.8	25.2	32.3	23.7	33.3	23.0	87	75	241	134	14	223	–	–	–
April	30.5	25.3	32.5	24.1	33.1	23.0	86	74	172	83	18	243	–	–	–
May	29.8	25.3	31.9	23.4	32.9	22.8	83	74	136	93	14	257	–	–	–
June	28.3	24.6	29.9	22.9	31.8	22.4	83	75	83	95	15	210	–	–	–
July	27.5	24.0	28.8	22.4	29.7	23.3	83	76	59	58	14	229	–	–	–
August	27.5	24.1	28.8	22.6	29.7	21.7	82	77	89	179	14	223	–	–	–
September	27.9	24.3	29.4	22.9	30.2	21.6	83	76	118	103	15	207	–	–	–
October	28.5	24.1	30.7	22.6	31.7	20.6	83	77	199	104	13	223	–	–	–
November	29.2	23.6	31.2	22.9	32.2	22.2	85	75	200	88	17	210	–	–	–
December	29.4	24.3	31.3	23.0	32.4	22.3	87	77	297	129	21	189	–	–	–
Year	28.9	24.5	32.7*	21.8*	33.3	20.6	85	76	2191	475	193	2567	–	–	–
No. of Years	18	18	9	9	20	9	19	18	18	9	9	18	–	–	–

Chagos Archipelago: Diego Garcia 07°21'S 72°29'E 2 m

Period 1951–70 Bibliography 111	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1100	1700							
			degrees Celsius				*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	24.7	32.1	23.1	33.4	22.0	78	78	327	135	23	–	–	–	–
February	30.3	24.8	31.9	23.0	32.8	21.3	79	79	281	156	21	–	–	–	–
March	30.8	25.1	32.2	23.3	33.6	21.9	76	77	228	115	19	–	–	–	–
April	30.7	25.2	32.1	23.4	33.3	21.6	77	79	182	121	19	–	–	–	–
May	29.9	24.9	31.3	23.1	32.9	20.5	77	80	189	376	17	–	–	–	–
June	28.9	24.5	30.1	22.9	31.5	21.2	78	81	158	128	17	–	–	–	–
July	28.4	24.1	29.3	22.3	30.7	20.6	79	81	171	199	19	–	–	–	–
August	28.2	23.9	29.5	21.9	30.7	19.4	78	81	184	329	18	–	–	–	–
September	28.6	24.0	29.9	22.1	30.8	21.2	79	81	238	123	19	–	–	–	–
October	29.1	24.2	30.6	22.4	32.0	19.9	78	81	312	191	22	–	–	–	–
November	29.8	24.5	31.2	22.6	32.0	20.5	76	78	210	152	19	–	–	–	–
December	30.4	24.5	31.9	22.8	33.2	21.0	76	77	265	127	20	–	–	–	–
Year	29.6	24.5	32.7*	21.3*	33.6	19.4	78	79	2745	376	233	–	–	–	–
No. of Years	20	20	20	20	20	20	20	20	20	20	20	–	–	–	–

*Average of highest/lowest each year

INDIAN OCEAN ISLANDS

Agalega Island 10°26′S 56°45′E 3 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1951–70 Bibliography 111	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1000	1600							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.3	24.3	31.7	22.3	33.8	21.3	79	77	244	123	21	–	–	–	–
February	30.3	24.3	31.5	22.4	32.3	21.0	79	77	225	136	20	–	–	–	–
March	30.8	24.5	32.0	22.6	33.6	20.7	77	76	172	98	19	–	–	–	–
April	30.5	24.8	31.5	22.8	33.6	21.2	76	77	169	105	20	–	–	–	–
May	29.6	24.4	30.9	22.2	32.6	20.5	76	77	158	157	18	–	–	–	–
June	28.4	23.3	29.5	21.2	31.1	18.8	76	76	92	88	20	–	–	–	–
July	27.6	22.6	28.6	20.7	29.6	19.3	76	75	101	154	22	–	–	–	–
August	27.6	22.5	28.5	20.6	29.6	18.7	74	74	73	119	20	–	–	–	–
September	28.0	22.8	28.9	20.9	29.7	17.4	74	74	81	152	18	–	–	–	–
October	28.6	23.4	29.6	21.7	30.2	20.2	74	75	98	79	17	–	–	–	–
November	29.5	24.0	30.5	22.0	31.2	20.1	75	75	124	318	18	–	–	–	–
December	30.2	24.2	31.4	21.9	32.4	20.8	75	75	200	366	20	–	–	–	–
Year	29.3	23.8	32.3*	20.0*	33.8	17.4	76	76	1737	366	233	–	–	–	–
No. of Years	20	20	20	20	20	20	20	20	20	20	20	–	–	–	–

Comoro Islands: Dzadoudzi/Ile Mayotte 12°47′S 45°15′E 30 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–70 Bibliography 65, 112	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.4	24.2	32.6	22.0	35.0	20.6	–	–	273	248	16	–	–	–	–
February	30.6	24.3	32.3	22.3	33.3	20.9	–	–	224	122	15	–	–	–	–
March	30.9	24.5	32.5	22.2	33.6	20.5	–	–	168	110	15	–	–	–	–
April	30.7	24.4	32.3	22.3	33.0	21.2	–	–	79	94	10		–	–	–
May	29.4	23.5	31.6	21.2	32.9	16.9	–	–	34	106	4	–	–	–	–
June	27.9	22.4	30.0	19.8	31.2	16.2	–	–	14	62	4	–	–	–	–
July	27.0	21.4	29.1	18.1	30.2	16.1	–	–	13	50	3	–	–	–	–
August	27.2	20.8	29.8	19.0	31.0	15.9	–	–	9	16	3	–	–	–	–
September	28.4	21.3	30.6	19.6	32.2	16.9	–	–	22	66	4	–	–	–	–
October	29.7	22.4	31.6	20.3	33.1	18.0	–	–	48	109	7	–	–	–	–
November	30.7	23.5	32.5	21.1	33.5	18.2	–	–	73	146	8	–	–	–	–
December	31.2	24.3	33.0	22.2	33.9	21.2	–	–	171	239	12	–	–	–	–
Year	29.5	23.1	33.5*	18.4*	35.0	15.9	–	–	1128	248	101	–	–	–	–
No. of Years	20	20	20	20	20	20	–	–	30	30	30	–	–	–	–

Comoro Islands: Moroni/Ile Grand Comore 11°42′S 43°14′E 12 m

Period	Temperature						Relative humidity		Precipitation			Bright sunshine			
1941–70 Bibliography 65, 66, 112	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						per cent		millimetres			hours		hours	
January	30.2	23.6	32.2	21.3	34.2	20.0	–	–	345	177	18	187	–	–	–
February	30.3	23.5	31.9	21.5	33.9	19.8	–	–	311	190	17	177	–	–	–
March	30.6	23.3	32.2	21.4	34.5	20.1	–	–	300	262	17	225	–	–	–
April	30.3	22.8	32.0	21.1	33.8	20.0	–	–	296	227	19	192	–	–	–
May	29.4	21.6	31.1	19.0	33.2	17.2	–	–	233	376	13	232	–	–	–
June	28.1	20.1	30.0	17.1	31.9	14.0	–	–	215	261	12	231	–	–	–
July	27.5	19.1	29.6	16.4	31.3	13.6	–	–	194	270	12	236	–	–	–
August	27.4	18.8	29.4	16.5	31.1	13.9	–	–	118	201	11	232	–	–	–
September	27.9	19.3	29.7	17.4	31.2	15.0	–	–	117	84	11	221	–	–	–
October	28.9	20.6	30.7	18.4	33.4	15.8	–	–	91	99	12	237	–	–	–
November	30.6	21.9	32.0	20.2	34.2	18.4	–	–	102	144	12	230	–	–	–
December	30.6	22.9	32.4	20.9	35.6	18.9	–	–	220	271	16	212	–	–	–
Year	29.3	21.5	33.1*	15.9*	35.6	13.6	–	–	2542	376	170	2612	–	–	–
No. of Years	30	30	30	30	30	30	–	–	30	24	30	10	–	–	–

*Average of highest/lowest each year

Comoro Islands: Ouani/Ile Anjouan 12°08'S 44°26'E 12 m

Period 1961–70 Bibliography 112	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.5	23.5	32.2	21.6	33.8	20.5	–	–	382	267	19	185	–	–	–
February	30.8	23.4	32.3	21.8	32.8	20.6	–	–	403	208	17	163	–	–	–
March	31.5	23.4	32.9	21.9	33.7	20.8	–	–	231	90	18	219	–	–	–
April	31.2	22.7	32.6	21.0	33.2	19.0	–	–	204	104	16	213	–	–	–
May	30.7	20.9	32.2	18.5	32.5	16.7	–	–	75	151	9	260	–	–	–
June	29.8	19.3	31.5	16.3	32.4	15.0	–	–	24	34	5	255	–	–	–
July	29.3	18.6	31.2	16.0	31.6	13.7	–	–	15	16	6	260	–	–	–
August	29.1	18.6	30.8	16.3	31.9	14.8	–	–	25	23	7	261	–	–	–
September	29.0	19.3	31.1	16.8	32.0	14.6	–	–	36	65	8	233	–	–	–
October	29.3	21.3	31.4	18.8	32.2	16.7	–	–	109	84	13	226	–	–	–
November	30.2	22.5	32.0	20.2	32.6	19.6	–	–	142	111	14	225	–	–	–
December	30.5	23.1	32.1	21.2	33.4	19.9	–	–	258	103	17	220	–	–	–
Year	30.1	21.4	33.2*	15.6*	33.8	13.7	–	–	1904	267	149	2720	–	–	–
No. of Years	10	10	10	10	10	10	–	–	10	10	10	10	–	–	–

Cargados Carajos Islands: St. Brandon 16°27'S 59°37'E 4 m

Period 1951–70 Bibliography 111	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1000	1600							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	25.2	32.5	23.2	34.4	21.9	78	78	176	150	18	–	–	–	–
February	30.7	25.3	33.1	23.4	34.5	21.1	78	78	157	150	17	–	–	–	–
March	30.8	25.3	33.4	23.1	35.1	20.5	78	78	192	188	19	–	–	–	–
April	29.8	24.8	32.4	22.5	34.4	18.0	77	77	110	181	17	–	–	–	–
May	28.0	23.6	30.5	21.5	33.4	16.8	76	77	50	56	16	–	–	–	–
June	26.4	22.0	28.7	19.9	31.8	15.9	77	77	49	29	18	–	–	–	–
July	25.5	21.3	27.3	19.6	29.4	17.9	78	80	63	101	19	–	–	–	–
August	25.2	20.8	27.1	18.9	28.7	16.5	78	79	47	30	21	–	–	–	–
September	25.9	21.3	27.8	19.2	29.9	16.5	77	78	26	27	15	–	–	–	–
October	26.9	22.2	29.1	20.4	31.1	19.4	74	77	23	17	13	–	–	–	–
November	28.5	23.5	30.5	21.7	33.3	20.3	75	76	35	102	11	–	–	–	–
December	29.7	24.6	32.2	22.9	34.8	21.2	75	75	60	85	13	–	–	–	–
Year	28.1	23.3	33.9*	18.4*	35.1	15.9	77	77	988	188	197	–	–	–	–
No. of Years	20	20	20	20	20	20	20	20	20	20	20	–	–	–	–

Rodrigues Island: 19°41'S 63°25'E 58 m

Period 1951–70 Bibliography 111	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1000	1600							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.1	23.6	30.7	21.8	33.9	20.2	75	74	144	133	19	274	–	–	–
February	29.4	24.0	31.0	20.1	34.0	20.2	75	74	134	151	18	245	–	–	–
March	29.4	23.9	31.1	22.0	33.9	20.0	76	77	157	200	21	253	–	–	–
April	28.4	23.0	29.8	21.2	31.4	19.2	74	75	154	297	20	233	–	–	–
May	26.9	21.5	28.5	19.2	30.4	18.3	72	73	123	106	19	229	–	–	–
June	25.6	19.9	27.1	17.6	28.1	16.5	69	71	67	61	19	228	–	–	–
July	24.7	19.0	26.3	16.8	27.5	14.5	70	72	87	43	22	220	–	–	–
August	24.4	18.4	25.6	16.3	27.0	15.2	70	70	68	50	22	234	–	–	–
September	25.1	19.1	26.7	17.2	27.7	15.9	68	71	43	35	16	245	–	–	–
October	26.0	19.8	27.6	17.8	29.4	16.5	67	70	48	45	15	269	–	–	–
November	27.2	21.3	28.9	19.4	30.0	17.7	69	71	40	89	11	277	–	–	–
December	28.5	22.9	30.1	21.0	31.9	19.4	73	74	113	156	14	262	–	–	–
Year	27.1	21.4	31.8*	16.1*	34.0	14.5	71	73	1178	297	216	2969	–	–	–
No. of Years	20	20	18	20	18	20	20	18	20	20	20	10	–	–	–

*Average of highest/lowest each year

INDIAN OCEAN ISLANDS

Mauritius: Pamplemousses (Royal Alfred Observatory) 20°06'S 57°33'E 55 m

Period 1941–70 Bibliography 111, 113, 114, 115	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1000	1600							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	30.3	22.7	33.4	19.8	34.9	17.6	72	70	176	61	21	261	65	–	–
February	30.2	22.6	32.5	19.6	34.8	17.1	74	72	203	215	20	229	64	–	–
March	29.7	22.6	32.1	19.8	33.5	17.9	78	75	245	223	23	216	58	–	–
April	28.5	21.1	30.5	18.3	32.2	15.3	73	70	163	95	20	232	66	–	–
May	27.0	19.1	28.7	15.5	29.8	12.4	75	73	83	83	19	234	67	–	–
June	25.3	17.4	26.6	13.5	28.0	10.8	73	72	65	73	18	221	68	–	–
July	24.5	16.7	25.9	12.6	27.6	10.1	73	70	63	36	19	226	67	–	–
August	24.7	16.6	26.3	13.1	27.5	10.5	69	66	58	26	20	231	66	–	–
September	25.8	17.2	27.2	13.9	28.4	11.5	67	65	38	30	17	236	67	–	–
October	27.4	18.2	29.7	14.1	31.0	12.0	63	62	34	58	13	266	69	–	–
November	29.3	19.7	31.7	16.5	32.9	12.9	64	65	79	256	13	267	69	–	–
December	30.3	21.4	32.5	18.7	34.4	16.5	66	66	128	174	18	270	66	–	–
Year	27.8	19.6	33.7*	12.1*	34.9	10.1	71	69	1335	256	221	2889	66	–	–
No. of Years	26	26	15	15	15	15	9	8	15	9	14	14	13	–	–

Mauritius: Vacoas 20°18'S 57°30'E 423 m

Period 1951–70 Bibliography 111	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1000	1600							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	27.3	20.4	29.3	17.5	31.6	14.6	78	77	351	495	23	227	–	–	–
February	27.5	20.7	29.3	18.2	31.0	11.6	79	78	317	340	21	205	–	–	–
March	27.1	20.7	29.3	17.8	30.8	14.3	81	81	335	284	25	202	–	–	–
April	26.0	19.2	28.5	16.1	30.0	12.5	79	78	168	140	21	218	–	–	–
May	24.1	17.5	26.9	13.8	28.8	11.8	78	78	131	103	22	229	–	–	–
June	22.3	15.9	24.9	12.4	26.9	8.2	79	79	133	71	22	205	–	–	–
July	21.4	15.2	23.9	12.4	25.7	8.7	79	78	138	66	24	214	–	–	–
August	21.5	15.1	23.9	12.2	27.8	8.9	78	76	126	38	25	221	–	–	–
September	22.2	15.3	24.7	12.3	27.3	10.3	75	74	93	139	21	217	–	–	–
October	23.6	16.0	25.9	13.1	28.0	11.4	72	73	74	68	18	236	–	–	–
November	25.5	17.6	27.7	14.7	29.9	9.4	71	74	11	135	17	219	–	–	–
December	26.9	19.2	30.0	16.4	30.6	14.1	74	76	253	331	20	220	–	–	–
Year	24.6	17.7	29.9*	10.8*	31.6	8.2	77	77	2130	495	259	2613	–	–	–
No. of Years	20	20	20	20	20	20	20	20	20	20	20	20	–	–	–

Reunion Island: St. Denis 20°54'S 55°31'E 10 m

Period 1952–70 Bibliography 112, 116, 117	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1530							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	29.5	22.8	31.6	20.1	33.8	18.2	78	72	263	197	19	240	–	–	1
February	29.9	23.0	31.7	20.5	33.7	18.6	79	70	216	268	17	215	–	–	1
March	29.4	22.8	31.0	20.5	31.8	18.6	82	75	290	354	18	209	–	–	3
April	28.3	21.3	29.9	18.3	31.2	15.6	79	69	160	200	13	222	–	–	1
May	26.9	19.6	28.7	16.6	30.5	15.4	76	67	81	103	14	236	–	–	< 1
June	25.5	18.2	27.1	15.5	28.3	13.6	74	64	75	62	14	220	–	–	< 1
July	24.7	17.4	26.3	14.2	27.3	12.9	74	66	70	70	17	224	–	–	1
August	24.5	17.2	26.0	13.9	27.3	12.8	74	64	49	36	16	219	–	–	0
September	25.3	17.2	27.1	14.6	28.7	13.0	74	65	47	92	14	217	–	–	0
October	26.0	18.7	27.9	15.7	28.5	14.7	71	64	44	76	12	221	–	–	< 1
November	27.3	20.2	29.2	17.3	31.3	15.0	69	67	95	212	13	212	–	–	1
December	28.6	21.9	30.5	19.2	31.6	17.8	75	72	151	146	16	217	–	–	1
Year	27.2	20.0	32.1*	13.6*	33.8	12.8	75	68	1541	354	183	2652	–	–	9
No. of Years	18	18	17	17	20	18	7	7	18	18	18	18	–	–	6

*Average of highest/lowest each year

INDIAN OCEAN ISLANDS

Reunion Island: St. Pierre 21°20′S 55°29′E 52 m

Period 1949–70 Bibliography 112, 116, 117	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0930	1630							
	degrees Celsius						per cent		millimetres			hours		hours	
January	29.6	23.0	31.8	20.8	32.9	19.0	77	72	123	123	12	269	–	–	–
February	29.4	23.1	31.7	21.0	33.6	19.0	78	71	113	143	12	234	–	–	–
March	29.0	22.9	31.3	20.9	34.4	18.7	80	73	193	279	15	218	–	–	–
April	27.7	21.2	30.0	19.1	32.0	16.5	77	70	129	306	12	223	–	–	–
May	26.1	19.5	28.5	16.8	30.0	14.8	77	70	102	101	13	239	–	–	–
June	24.6	17.9	26.5	15.5	27.7	12.4	75	68	77	149	11	224	–	–	–
July	23.9	17.1	26.0	14.7	28.3	13.2	74	67	60	71	11	240	–	–	–
August	23.9	16.7	25.9	14.7	26.9	13.9	72	64	46	77	9	255	–	–	–
September	24.8	17.2	26.5	15.1	28.0	13.7	70	64	32	71	5	253	–	–	–
October	25.8	18.1	27.8	16.1	29.3	14.9	67	63	38	179	5	261	–	–	–
November	27.4	20.0	29.2	17.7	30.6	16.2	68	65	48	88	6	248	–	–	–
December	28.8	21.8	31.0	19.7	32.9	17.8	74	70	68	78	9	245	–	–	–
Year	26.8	19.9	32.3*	14.2*	34.4	12.4	74	68	1029	306	120	2909	–	–	–
No. of Years	20	20	20	20	20	20	8	8	20	20	20	14	–	–	–

Amsterdam Island 37°50′S 77°34′E 27 m

Period 1951–70 Bibliography 112, 117	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1100	1700							
	degrees Celsius						per cent		millimetres			hours		hours	
January	19.1	14.1	22.0	9.4	24.3	7.0	85	77	94	111	16	172	–	–	3
February	19.4	14.2	22.1	9.4	24.0	6.4	85	77	78	90	14	145	–	–	3
March	18.4	13.5	21.5	8.8	23.8	6.0	83	76	99	100	16	132	–	–	3
April	16.9	12.6	19.9	7.9	22.2	4.3	83	77	99	78	18	105	–	–	4
May	15.1	10.8	18.0	5.9	20.4	3.8	83	78	104	66	21	108	–	–	3
June	13.5	9.2	15.8	4.5	18.3	3.0	82	79	121	60	25	96	–	–	4
July	12.9	8.9	15.1	4.4	16.3	1.8	83	81	106	57	25	104	–	–	3
August	12.9	8.7	14.8	4.0	16.1	1.9	84	81	91	54	24	120	–	–	3
September	13.5	9.3	15.5	4.6	16.2	3.1	83	78	72	34	21	122	–	–	2
October	14.4	9.9	16.5	5.4	18.0	3.1	83	78	78	39	20	141	–	–	3
November	15.5	11.0	17.9	6.3	20.5	4.7	85	79	94	43	19	146	–	–	3
December	17.6	13.0	20.4	8.1	22.3	6.6	87	79	81	45	16	162	–	–	4
Year	15.8	11.3	22.6*	3.3*	24.3	1.8	84	78	1117	111	235	1553	–	–	38
No. of Years	20	20	18	18	20	20	8	8	20	20	20	20	–	–	7

Prince Edward Islands: Marion Island 46°53′S 37°52′E 22 m

Period 1951–70 Bibliography 16, 17	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	0830	1430							
	degrees Celsius						per cent		millimetres			hours		hours	
January	10.0	4.4	16.2	0.9	22.2	−0.8	82	79	232	88	26	154	32	–	4
February	10.4	4.9	16.3	0.8	22.3	−0.7	83	79	210	87	23	133	33	–	4
March	10.3	4.7	17.1	0.7	20.4	−0.8	83	79	223	60	24	116	30	–	6
April	8.5	3.5	14.0	−0.3	17.8	−1.9	85	82	236	103	26	85	26	–	8
May	7.5	2.6	12.3	−1.3	17.8	−3.0	84	83	248	81	27	72	26	–	9
June	6.7	2.0	11.4	−2.5	14.0	−6.0	87	84	223	70	28	54	21	–	10
July	6.2	1.4	10.8	−3.4	13.3	−6.0	85	84	216	68	28	64	23	–	10
August	6.1	1.2	10.8	−3.8	16.2	−5.5	85	83	191	48	28	81	25	–	8
September	6.1	1.0	11.6	−3.9	15.9	−6.8	82	81	195	95	26	97	27	–	7
October	7.5	1.9	13.8	−2.5	17.7	−4.4	81	79	172	66	25	139	33	–	4
November	8.5	2.6	15.0	−1.0	21.4	−2.6	80	77	201	79	25	154	33	–	3
December	9.1	3.5	14.6	−0.1	18.3	−1.5	81	78	229	69	26	160	33	–	4
Year	8.1	2.8	18.9*	−4.8*	22.3	−6.8	83	81	2576	103	312	1309	29	–	77
No. of Years	20	20	20	20	20	20	20	20	20	20	20	19	19	–	19

*Average of highest/lowest each year

Kerguelen: Port Aux Français 49°21′S 70°15′E 29 m

Period 1951–70 Bibliography 112, 117	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.1 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	1030	1630							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	10.7	3.7	17.1	0.2	23.0	−0.8	75	68	60	40	19	181	–	–	2
February	11.2	4.1	17.5	0.3	20.6	−0.6	75	66	47	36	16	161	–	–	1
March	10.4	3.6	16.8	0.0	20.5	−1.6	78	69	59	34	18	153	–	–	2
April	9.0	2.7	15.0	−1.3	18.0	−4.4	78	73	71	54	19	121	–	–	2
May	6.5	0.9	13.1	−3.5	16.2	−7.2	80	75	91	101	22	91	–	–	5
June	4.6	−0.7	11.1	−5.5	13.5	−9.4	83	80	79	47	23	68	–	–	5
July	4.5	−1.0	10.8	−5.8	13.2	−8.9	82	79	80	42	23	86	–	–	4
August	4.8	−0.9	11.3	−5.3	15.0	−8.4	81	77	78	47	23	108	–	–	2
September	5.0	−0.8	10.6	−4.5	13.9	−6.3	79	73	82	53	22	127	–	–	3
October	6.6	0.1	13.7	−3.7	16.8	−5.1	77	71	66	32	22	160	–	–	3
November	8.0	1.3	14.9	−2.2	19.9	−4.4	76	67	68	44	21	169	–	–	1
December	9.7	2.9	16.7	−0.4	22.1	−3.3	76	67	71	41	19	178	–	–	1
Year	7.6	1.3	19.2*	−7.1*	23.0	−9.4	78	72	852	101	247	1603	–	–	31
No. of Years	20	20	18	18	20	20	8	8	20	20	20	20	–	–	6

Heard Island 53°01′S 73°23′E 5 m

Period 1948–54 Bibliography 118	Temperature						Relative humidity		Precipitation			Bright sunshine			
	Average daily		Average monthly		Absolute		Average of observations at		Average monthly fall	Maximum fall in 24 h	Average No. of days with 0.2 mm or more	Average monthly duration	Average per cent of possible	Maximum duration in one day	Average No. of days with no sun
	Max.	Min.	Max.	Min.	Max.	Min.	–	–							
	degrees Celsius						*per cent*		*millimetres*			*hours*		*hours*	
January	5.2	1.5	9.7	−0.2	12.6	−0.9	–	–	139	37	27	–	–	11	9
February	5.2	1.7	9.5	−0.3	14.4	−1.3	–	–	145	45	25	–	–	11	10
March	4.8	1.2	10.0	−0.9	13.3	−1.9	–	–	147	34	27	–	–	9	12
April	4.2	0.7	9.8	−2.3	14.0	−4.4	–	–	158	39	27	–	–	7	11
May	3.1	−0.4	7.6	−4.2	10.6	−5.5	–	–	148	41	25	–	–	6	13
June	1.4	−2.3	5.7	−6.4	6.9	−8.5	–	–	95	28	22	–	–	6	13
July	1.3	−2.5	6.1	−6.5	8.9	−9.1	–	–	94	31	21	–	–	5	14
August	1.2	−2.7	6.7	−7.4	11.6	−10.6	–	–	57	23	21	–	–	7	13
September	0.8	−3.3	3.9	−7.1	4.8	−8.9	–	–	67	25	19	–	–	10	10
October	1.5	−2.0	5.1	−6.3	6.7	−8.6	–	–	100	26	20	–	–	9	11
November	2.3	−0.9	5.2	−3.1	6.2	−4.4	–	–	100	45	21	–	–	10	10
December	4.1	0.7	8.2	−1.2	11.7	−1.8	–	–	132	33	24	–	–	9	11
Year	2.9	−0.7	12.4*	−7.9*	14.4	−10.6	–	–	1382	45	279	–	–	11	137
No. of Years	7	7	7	7	7	7	–	–	7	7	7	–	–	5	5

*Average of highest/lowest each year

APPENDIX I

Conversion table—degrees Celsius to degrees Fahrenheit

°C	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	degrees Fahrenheit									
60	140.00	140.18	140.36	140.54	140.72	140.90	141.08	141.26	141.44	141.62
59	138.20	138.38	138.56	138.74	138.92	139.10	139.28	139.46	139.64	139.82
58	136.40	136.58	136.76	136.94	137.12	137.30	137.48	137.66	137.84	138.02
57	134.60	134.78	134.96	135.14	135.32	135.50	135.68	135.86	136.04	136.22
56	132.80	132.98	133.16	133.34	133.52	133.70	133.88	134.06	134.24	134.42
55	131.00	131.18	131.36	131.54	131.72	131.90	132.08	132.26	132.44	132.62
54	129.20	129.38	129.56	129.74	129.92	130.10	130.28	130.46	130.64	130.82
53	127.40	127.58	127.76	127.94	128.12	128.30	128.48	128.66	128.84	129.02
52	125.60	125.78	125.96	126.14	126.32	126.50	126.68	126.86	127.04	127.22
51	123.80	123.98	124.16	124.34	124.52	124.70	124.88	125.06	125.24	125.42
50	122.00	122.18	122.36	122.54	122.72	122.90	123.08	123.26	123.44	123.62
49	120.20	120.38	120.56	120.74	120.92	121.10	121.28	121.46	121.64	121.82
48	118.40	118.58	118.76	118.94	119.12	119.30	119.48	119.66	119.84	120.02
47	116.60	116.78	116.96	117.14	117.32	117.50	117.68	117.86	118.04	118.22
46	114.80	114.98	115.16	115.34	115.52	115.70	115.88	116.06	116.24	116.42
45	113.00	113.18	113.36	113.54	113.72	113.90	114.08	114.26	114.44	114.62
44	111.20	111.38	111.56	111.74	111.92	112.10	112.28	112.46	112.64	112.82
43	109.40	109.58	109.76	109.94	110.12	110.30	110.48	110.66	110.84	111.02
42	107.60	107.78	107.96	108.14	108.32	108.50	108.68	108.86	109.04	109.22
41	105.80	105.98	106.16	106.34	106.52	106.70	106.88	107.06	107.24	107.42
40	104.00	104.18	104.36	104.54	104.72	104.90	105.08	105.26	105.44	105.62
39	102.20	102.38	102.56	102.74	102.92	103.10	103.28	103.46	103.64	103.82
38	100.40	100.58	100.76	100.94	101.12	101.30	101.48	101.66	101.84	102.02
37	98.60	98.78	98.96	99.14	99.32	99.50	99.68	99.86	100.04	100.22
36	96.80	96.98	97.16	97.34	97.52	97.70	97.88	98.06	98.24	98.42
35	95.00	95.18	95.36	95.54	95.72	95.90	96.08	96.26	96.44	96.62
34	93.20	93.38	93.56	93.74	93.92	94.10	94.28	94.46	94.64	94.82
33	91.40	91.58	91.76	91.94	92.12	92.30	92.48	92.66	92.84	93.02
32	89.60	89.78	89.96	90.14	90.32	90.50	90.68	90.86	91.04	91.22
31	87.80	87.98	88.16	88.34	88.52	88.70	88.88	89.06	89.24	89.42
30	86.00	86.18	86.36	86.54	86.72	86.90	87.08	87.26	87.44	87.62
29	84.20	84.38	84.56	84.74	84.92	85.10	85.28	85.46	85.64	85.82
28	82.40	82.58	82.76	82.94	83.12	83.30	83.48	83.66	83.84	84.02
27	80.60	80.78	80.96	81.14	81.32	81.50	81.68	81.86	82.04	82.22
26	78.80	78.98	79.16	79.34	79.52	79.70	79.88	80.06	80.24	80.42
25	77.00	77.18	77.36	77.54	77.72	77.90	78.08	78.26	78.44	78.62
24	75.20	75.38	75.56	75.74	75.92	76.10	76.28	76.46	76.64	76.82
23	73.40	73.58	73.76	73.94	74.12	74.30	74.48	74.66	74.84	75.02
22	71.60	71.78	71.96	72.14	72.32	72.50	72.68	72.86	73.04	73.22
21	69.80	69.98	70.16	70.34	70.52	70.70	70.88	71.06	71.24	71.42
20	68.00	68.18	68.36	68.54	68.72	68.90	69.08	69.26	69.44	69.62
19	66.20	66.38	66.56	66.74	66.92	67.10	67.28	67.46	67.64	67.82
18	64.40	64.58	64.76	64.94	65.12	65.30	65.48	65.66	65.84	66.02
17	62.60	62.78	62.96	63.14	63.32	63.50	63.68	63.86	64.04	64.22
16	60.80	60.98	61.16	61.34	61.52	61.70	61.88	62.06	62.24	62.42

APPENDIX I–*continued*

Conversion table–degrees Celsius to degrees Fahrenheit

°C	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	degrees Fahrenheit									
15	59.00	59.18	59.36	59.54	59.72	59.90	60.08	60.26	60.44	60.62
14	57.20	57.38	57.56	57.74	57.92	58.10	58.28	58.46	58.64	58.82
13	55.40	55.58	55.76	55.94	56.12	56.30	56.48	56.66	56.84	57.02
12	53.60	53.78	53.96	54.14	54.32	54.50	54.68	54.86	55.04	55.22
11	51.80	51.98	52.16	52.34	52.52	52.70	52.88	53.06	53.24	53.42
10	50.00	50.18	50.36	50.54	50.72	50.90	51.08	51.26	51.44	51.62
9	48.20	48.38	48.56	48.74	48.92	49.10	49.28	49.46	49.64	49.82
8	46.40	46.58	46.76	46.94	47.12	47.30	47.48	47.66	47.84	48.02
7	44.60	44.78	44.96	45.14	45.32	45.50	45.68	45.86	46.04	46.22
6	42.80	42.98	43.16	43.34	43.52	43.70	43.88	44.06	44.24	44.42
5	41.00	41.18	41.36	41.54	41.72	41.90	42.08	42.26	42.44	42.62
4	39.20	39.38	39.56	39.74	39.92	40.10	40.28	40.46	40.64	40.82
3	37.40	37.58	37.76	37.94	38.12	38.30	38.48	38.66	38.84	39.02
2	35.60	35.78	35.96	36.14	36.32	36.50	36.68	36.86	37.04	37.22
1	33.80	33.98	34.16	34.34	34.52	34.70	34.88	35.06	35.24	35.42
0	32.00	32.18	32.36	32.54	32.72	32.90	33.08	33.26	33.44	33.62
–0	32.00	31.82	31.64	31.46	31.28	31.10	30.92	30.74	30.56	30.38
–1	30.20	30.02	29.84	29.66	29.48	29.30	29.12	28.94	28.76	28.58
–2	28.40	28.22	28.04	27.86	27.68	27.50	27.32	27.14	26.96	26.78
–3	26.60	26.42	26.24	26.06	25.88	25.70	25.52	25.34	25.16	24.98
–4	24.80	24.62	24.44	24.26	24.08	23.90	23.72	23.54	23.36	23.18
–5	23.00	22.82	22.64	22.46	22.28	22.10	21.92	21.74	21.56	21.38
–6	21.20	21.02	20.84	20.66	20.48	20.30	20.12	19.94	19.76	19.58
–7	19.40	19.22	19.04	18.86	18.68	18.50	18.32	18.14	17.96	17.78
–8	17.60	17.42	17.24	17.06	16.88	16.70	16.52	16.34	16.16	15.98
–9	15.80	15.62	15.44	15.26	15.08	14.90	14.72	14.54	14.36	14.18
–10	14.00	13.82	13.64	13.46	13.28	13.10	12.92	12.74	12.56	12.38
–11	12.20	12.02	11.84	11.66	11.48	11.30	11.12	10.94	10.76	10.58
–12	10.40	10.22	10.04	9.86	9.68	9.50	9.32	9.14	8.96	8.78
–13	8.60	8.42	8.24	8.06	7.88	7.70	7.52	7.34	7.16	6.98
–14	6.80	6.62	6.44	6.26	6.08	5.90	5.72	5.54	5.36	5.18
–15	5.00	4.82	4.64	4.46	4.28	4.10	3.92	3.74	3.56	3.38
–16	3.20	3.02	2.84	2.66	2.48	2.30	2.12	1.94	1.76	1.58
–17	1.40	1.22	1.04	0.86	0.68	0.50	0.32	0.14	–0.04	–0.22
–18	–0.40	–0.58	–0.76	–0.94	–1.12	–1.30	–1.48	–1.66	–1.84	–2.02
–19	–2.20	–2.38	–2.56	–2.74	–2.92	–3.10	–3.28	–3.46	–3.64	–3.82
–20	–4.00	–4.18	–4.36	–4.54	–4.72	–4.90	–5.08	–5.26	–5.44	–5.62
–21	–5.80	–5.98	–6.16	–6.34	–6.52	–6.70	–6.88	–7.06	–7.24	–7.42
–22	–7.60	–7.78	–7.96	–8.14	–8.32	–8.50	–8.68	–8.86	–9.04	–9.22
–23	–9.40	–9.58	–9.76	–9.94	–10.12	–10.30	–10.48	–10.66	–10.84	–11.02
–24	–11.20	–11.38	–11.56	–11.74	–11.92	–12.10	–12.28	–12.46	–12.64	–12.82
–25	–13.00	–13.18	–13.36	–13.54	–13.72	–13.90	–14.08	–14.26	–14.44	–14.62

APPENDIX I—*continued*

Differences in degrees Celsius to differences in degrees Fahrenheit

°C	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
					degrees Fahrenheit					
0	0.00	0.18	0.36	0.54	0.72	0.90	1.08	1.26	1.44	1.62
1	1.80	1.98	2.16	2.34	2.52	2.70	2.88	3.06	3.24	3.42
2	3.60	3.78	3.96	4.14	4.32	4.50	4.68	4.86	5.04	5.22
3	5.40	5.58	5.76	5.94	6.12	6.30	6.48	6.66	6.84	7.02
4	7.20	7.38	7.56	7.74	7.92	8.10	8.28	8.46	8.64	8.82
5	9.00	9.18	9.36	9.54	9.72	9.90	10.08	10.26	10.44	10.62
6	10.80	10.98	11.16	11.34	11.52	11.70	11.88	12.06	12.24	12.42
7	12.60	12.78	12.96	13.14	13.32	13.50	13.68	13.86	14.04	14.22
8	14.40	14.58	14.76	14.94	15.12	15.30	15.48	15.66	15.84	16.02
9	16.20	16.38	16.56	16.74	16.92	17.10	17.28	17.46	17.64	17.82

APPENDIX II

Conversion table—millimetres to inches

Milli- metres	0	1	2	3	4	5	6	7	8	9
	inches									
0	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.31	0.35
10	0.39	0.43	0.47	0.51	0.55	0.59	0.63	0.67	0.71	0.75
20	0.79	0.83	0.87	0.91	0.94	0.98	1.02	1.06	1.10	1.14
30	1.18	1.22	1.26	1.30	1.34	1.38	1.42	1.46	1.50	1.54
40	1.57	1.61	1.65	1.69	1.73	1.77	1.81	1.85	1.89	1.93
50	1.97	2.01	2.05	2.09	2.13	2.17	2.20	2.24	2.28	2.32
60	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64	2.68	2.72
70	2.76	2.80	2.83	2.87	2.91	2.95	2.99	3.03	3.07	3.11
80	3.15	3.19	3.23	3.27	3.31	3.35	3.39	3.43	3.46	3.50
90	3.54	3.58	3.62	3.66	3.70	3.74	3.78	3.82	3.86	3.90

Milli- metres	0	10	20	30	40	50	60	70	80	90
	inches									
100	3.94	4.33	4.72	5.12	5.51	5.91	6.30	6.69	7.09	7.48
200	7.87	8.27	8.66	9.06	9.45	9.84	10.24	10.63	11.02	11.42
300	11.81	12.20	12.60	12.99	13.39	13.78	14.17	14.57	14.96	15.35
400	15.75	16.14	16.53	16.93	17.32	17.72	18.11	18.50	18.90	19.29
500	19.69	20.08	20.47	20.87	21.26	21.65	22.05	22.44	22.83	23.23
600	23.62	24.02	24.41	24.80	25.20	25.59	25.98	26.38	26.77	27.17
700	27.56	27.95	28.35	28.74	29.13	29.53	29.92	30.31	30.71	31.10
800	31.50	31.89	32.28	32.68	33.07	33.46	33.86	34.25	34.65	35.04
900	35.43	35.83	36.22	36.61	37.01	37.40	37.79	38.19	38.58	38.98
1000	39.37	39.76	40.16	40.55	40.94	41.34	41.73	42.13	42.52	42.91

Milli- metres	0	100	200	300	400	500	600	700	800	900
	inches									
1 000	39.37	43.31	47.24	51.18	55.12	59.05	62.99	66.93	70.87	74.80
2 000	78.74	82.68	86.61	90.55	94.49	98.43	102.36	106.30	110.24	114.17
3 000	118.11	122.05	125.98	129.92	133.86	137.79	141.73	145.67	149.61	153.54
4 000	157.48	161.42	165.35	169.29	173.23	177.17	181.10	185.04	188.98	192.91
5 000	196.85	200.79	204.72	208.66	212.60	216.54	220.47	224.41	228.35	232.28
6 000	236.22	240.16	244.09	248.03	251.97	255.91	259.84	263.78	267.72	271.65
7 000	275.59	279.53	283.46	287.40	291.34	295.28	299.21	303.15	307.09	311.02
8 000	314.96	318.90	322.83	326.77	330.71	334.64	338.58	342.52	346.46	350.39
9 000	354.33	358.27	362.20	366.14	370.08	374.02	377.95	381.89	385.83	389.76
10 000	393.70	397.64	401.57	405.51	409.45	413.39	417.32	421.26	425.20	429.13

APPENDIX III

Conversion table—metres to feet

Metres	0	1	2	3	4	5	6	7	8	9
					feet					
0	0.0	3.3	6.6	9.8	13.1	16.4	19.7	23.0	26.3	29.5
10	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3
20	65.6	68.9	72.2	75.5	78.7	82.0	85.3	88.6	91.9	95.1
30	98.4	101.7	105.0	108.3	111.5	114.8	118.1	121.4	124.7	127.9
40	131.2	134.5	137.8	141.1	144.4	147.6	150.9	154.2	157.5	160.8
50	164.0	167.3	170.6	173.9	177.2	180.5	183.7	187.0	190.3	193.6
60	196.9	200.1	203.4	206.7	210.0	213.3	216.5	219.8	223.1	226.4
70	229.7	232.9	236.2	239.5	242.8	246.1	249.3	252.6	255.9	259.2
80	262.5	265.7	269.0	272.3	275.6	278.9	282.1	285.4	288.7	292.0
90	295.3	298.6	301.8	305.1	308.4	311.7	315.0	318.2	321.5	324.8

Metres	0	10	20	30	40	50	60	70	80	90
						feet				
100	328.1	360.9	393.7	426.5	459.3	492.1	524.9	557.7	590.5	623.4
200	656.2	689.0	721.8	754.6	787.4	820.2	853.0	885.8	918.6	951.4
300	984.3	1017.1	1049.9	1082.7	1115.5	1148.3	1181.1	1213.9	1246.7	1279.5
400	1312.3	1345.1	1377.9	1410.8	1443.6	1476.4	1509.2	1542.0	1574.8	1607.6
500	1640.4	1673.2	1706.0	1738.8	1771.6	1804.5	1837.3	1870.1	1902.9	1935.7
600	1968.5	2001.3	2034.1	2066.9	2099.7	2132.5	2165.3	2198.2	2231.0	2263.8
700	2296.6	2329.4	2362.2	2395.0	2427.8	2460.6	2493.4	2526.2	2559.0	2591.9
800	2624.7	2657.5	2690.3	2723.1	2755.9	2788.7	2821.5	2854.3	2887.1	2919.9
900	2952.7	2985.6	3018.4	3051.2	3084.0	3116.8	3149.6	3182.4	3215.2	3248.0
1000	3280.8	3313.6	3346.4	3379.3	3412.1	3444.9	3477.7	3510.5	3543.3	3576.1

Metres	0	100	200	300	400	500	600	700	800	900
						feet				
1000	3 280.8	3 608.9	3 937.0	4 265.1	4 593.2	4 921.2	5 249.3	5 577.4	5 905.5	6 233.6
2000	6 561.7	6 889.7	7 217.8	7 545.9	7 874.0	8 202.1	8 530.2	8 858.2	9 186.3	9 514.4
3000	9 842.5	10 170.6	10 498.7	10 826.7	11 154.8	11 482.9	11 811.0	12 139.1	12 467.2	12 795.2
4000	13 123.3	13 451.4	13 779.5	14 107.6	14 435.7	14 763.7	15 091.8	15 419.9	15 748.0	16 076.1
5000	16 404.2	16 732.3	17 060.4	17 388.5	17 716.5	18 044.6	18 372.7	18 700.8	19 028.9	19 357.0

BIBLIOGRAPHY

1. Algiers, Institut de Meteorologie et de Physique du Globe de l'Algerie. Annuaire, 1941–51 Algerie du Nord.

2. Algiers, Institut de Meteorologie et de Physique du Globe de l'Algerie. Annuaire, 1941–51 Sahara.

3. Algiers, Institut de Meteorologie et de Physique du Globe de l'Algerie. Bulletin Mensuel, 1941–51 Algerie du Nord.

4. Algiers, Institut de Meteorologie et de Physique du Globe de l'Algerie. Bulletin Mensuel, 1941–51 Sahara.

5. Algiers, Service Meteorologique de l'Algerie. Bulletin Climatologique Mensuel de l'Algerie, 1952–70.

6. Algiers, Service Meteorologique de l'Algerie. Resume Mensuel du Temp Algerie (du Nord et du Sahara), 1951–61.

7. Algiers, Etablissement National pour l'Exploitation Meteorologique et Aeronautique. Recueil de Donnees Climatologiques, 1960–69.

8. Luanda, Servico Meteorologico de Angola. Elementos Meteorologicos e Climatologicos, 1941–52.

9. Luanda, Servico Meteorologico de Angola. Observacoes Meteorologicos de Superficie em Angola, 1953–68.

10. Luanda, Servico Meteorologico de Angola. Resultados das Observacoes Meteorologicos, 1954–70.

11. Paris, Meteorologie Nationale, Service Central de la Meteorologie de l'Outre-mer. Annales 1er. Vol. Territoire Francaise de l'Afrique Noire, 1953–60.

12. Paris, Office de la Recherche Scientifique et Technique Outre-mer, Service Hydrologique. Precipitations Journalieres de l'origine des Stations a 1965.

13. Dakar, Agence pour la Securite de la Navigation Aerienne en Afrique et a Madagascar (ASECNA). Resume Mensuel des Observations Meteorologiques, 1961–65.

14. Dakar, ASECNA Resume Mensuel des Observations au sol (with supplement-Annexe Pluviometrique), 1966–70.

15. Dakar, Service Meteorologique de l'Afrique Occidentale Francaise. Climatologie de l'Afrique Occidentale Francaise, 1949–52.

16. Pretoria, Weather Bureau. Report for the Year, 1941–57.

17. Pretoria, Weather Bureau. Report on Meteorological Data of the Year 1958–70.

18. Pretoria, Weather Bureau. Monthly Weather Reports, 1965–70.

19. Pretoria, Weather Bureau. Solar Radiation and Sunshine, 1968.

20. Brussels, Inst. Nat. pour l'Etude Agronomique du Congo Belge, Bureau Climatologique. Chutes de Pluie au Congo Belge pendant la decade 1940–49.

21. Brussels, Inst. Nat. pour l'Etude Agronomique du Congo Belge, Bureau Climatologique. Bulletin Climatologique Annuel du Congo Belge et du Ruanda-Urundi, 1950–56.

22. Leopoldville, Republique du Congo, Service Meteorologique. Meteo Congo, Bulletin de Donnees Climatologiques, 1957–61.

23. Douala, Service Meteorologique du Cameroun. Moyennes Totaux et Extremes dans les Stations Meteorologiques du Cameroun, 1946–47.

24. Douala, Service Meteorologique du Cameroun. Resume Climatologique du Cameroun, 1948–49.

25. Douala, Service Meteorologique du Cameroun. Pluviometrie du Cameroun 1948–52.

26. Douala, Service Meteorologique du Cameroun. Resume Mensuel du Temps au Cameroun, 1950–70.

27. Brazzaville, Service Meteorologique. Resume Mensuel du Temps en Afrique Equatoriale Francaise, 1950–59.

28. Brazzaville, ASECNA. Resume Mensuel du Temps dans les Republiques Centrafricaine, du Congo, Gabonaise, du Tchad, 1959–65.

29. Dakar, ASECNA. Resume Mensuel du Temps dans les Republiques Centrafricaine, du Congo, Gabonaise, du Tchad, 1965.

30. Paris, Meteorologie Nationale. Bulletin Annuel du Service Meteorologique de la Cote Francaise de Somalis, 1944–47.

31. Djibouti, Meteorologie Nationale. Resume Mensuel du Temps, 1949–69.

32. Djibouti, Territoire Francaise des Afars et des Issas, Service de la Meteorologie. Resume Mensuel du Temps, 1970.

33. Cairo, Ministry of War and Marine, Meteorological Department. Meteorological Reports 1941–47.

34. Cairo, Ministry of War and Marine, Meteorological Department. Climate Normals for Egypt, 1950.

35. Cairo, Physical Department, Meteorological Service. Monthly values of Certain Meteorological Elements at Selected Stations, 1945–55.

36. Cairo, Meteorological Department. Monthly Weather Reports, 1956–70.

37. Cairo, Meteorological Department. Reseau Mondial, 1935–49.

38. Cairo, Meteorological Department. Annual Meteorological Reports, 1958–63.

39. Madrid, Servicio Meteorologico Nacional. Boletin Mensual Climatologico, 1950–70.

40. Addis Ababa, Civil Aviation Department, Climatological Institute, Monthly Summaries of Precipitations, 2nd Edition, 1959.

41. Addis Ababa, Civil Aviation Department, Climatological Institute, Monthly Climatological Bulletin, 1959, 1961, 1962.

42. Addis Ababa, Ethiopian Meteorological Service. Monthly Reports, 1953.

43. Addis Ababa, Ethiopian Meteorological Service. Rainfall, 1954–56.

44. Addis Ababa, Ethiopian Meteorological Service. Monthly Summaries of Climatological Data from Selected Stations, 1963–64.

45. Addis Ababa, Ethiopian Meteorological Service. Monthly Weather Reports, 1965–70.

46. ATTLEE, G.; Weather at Asmara. Addis Ababa, Ethiopian Meteorological Service, 1964.

47. ATTLEE, G.; Weather and Climate at Addis Ababa, Dire Dawa, and Jimma. Addis Ababa, Ethiopian Meteorological Service, 1965.

48. Bathurst, Meteorological Observations, Gambia Colony, 1945–49.

49. Bathurst, British West African Meteorological Service, Gambia. Annual Summary of Observations, 1951–57.

50. Lagos, British West African Meteorological Service, Sierra Leone and The Gambia. Monthly Weather Report, 1955–59.

51. Accra, Gold Coast Colony. Meteorological Observations, 1941–49.

52. Lagos, British West African Meteorological Service, Gold Coast. Monthly Weather Report, 1949–57.

53. Accra, Ghana Meteorological Service. Annual Summary of Observations in Ghana, 1952–70.

54. Lisbon, Servico Meteorologico Nacional. Anuario Climatologico de Portugal, II parte, Territorios Ultramarinos, 1947–70.

55. Nairobi, East African Meteorological Department. Monthly Means at Certain Stations, 1937–51 (Lusaka Resolution No. 16).

56. Nairobi, East African Meteorological Department. Summary of Meteorological Observations at Selected Stations, 1949–55.

57. Nairobi, East African Meteorological Department. The Weather of East Africa, 1956–70.

58. Nairobi, East African Meteorological Department. Collected Climatological Statistics for East Africa and Seychelles, Part I Kenya and Seychelles, Part II Uganda, Part III Tanganyika and Zanzibar, 1964.

59. Monrovia, Republic of Liberia, Meteorological Service. Monthly Meteorological Bulletin, 1953–64.

60. Monrovia, Republic of Liberia, Division of Meteorology. Monthly Report of Daily Weather Values, 1953–70.

61. Tripoli, Libya Meteorological Department. Weather Bulletin, 1955–60.

62. Tripoli, Libya Meteorological Department. Climatological Summary, 1960–66.

63. FANTOLI, A.; Le Pioggie della Libia. Rome 1952.

64. London, Meteorological Office. Manuscript data.

65. Tananarive, Service Meteorologique. Resume Mensuel du Temps a Madagascar, 1941–67.

66. Asheville, N.C., U.S. Department of Commerce. Monthly Climatic Data for the World, 1968–70.

67. Zomba, Department of Agriculture. Meteorological Observations, 1946–47.

68. Salisbury, Rhodesia and Nyasaland Meteorological Service. Climatological Summaries for Southern Rhodesia, Northern Rhodesia and Nyasaland, 1948–62.

69. Salisbury, Rhodesia and Nyasaland Meteorological Service. Meteorological Summaries for Southern Rhodesia, Northern Rhodesia and Nyasaland, 1962–69.

70. Zomba, Malawi Meteorological Service. Monthly Summaries, 1969–70.

71. Madrid, Servicio Meteorologico Nacional. Resumen de Observaciones Meteorologicas, 1941–49.

72. Rabat, Service de Physique du Globe et de Meteorologie. Annales, 1941–50.

73. Rabat, Service de Physique du Globe et de Meteorologie. Releve climatologique 1951–62.

74. Rabat, Service Meteorologique du Maroc. Resume Mensuel du Temps, 1951–63.

75. Lourenco Marques, Servico Meteorologico. Boletim Mensal das Observacoes Meteorologicas, 1941–50.

76. Lourenco Marques, Servico Meteorologico. Anuario de Observacoes Meteorologicas, 1951–60.

77. Lourenco Marques, Servico Meteorologico. Anuario de Observacoes Meteorologicas de Superficie, 1961–68.

78. Pretoria, Weather Bureau. Annual Report for South-west Africa, 1951–50.

79. Lagos, Nigeria. Nigeria Blue Books, 1947–49.

80. Lagos, British West African Meteorological Service. Nigeria Monthly Weather Report, 1949–62.

81. Lagos, Nigerian Meteorological Department. Agrometeorological Bulletin, 1962–70.

82. Lagos, Nigerian Meteorological Service. Meteorological Note No. 18, Bright Sunshine Records, Lagos 1964.

83. NICHOLSON, S.E.; Monthly Rainfall Totals for Nigeria, Tanzania and Uganda (Manuscript data). Boulder, Colorado, 1977.

84. Maseru, Hydrological Survey Department. Lesotho Meteorological Data to December 1970.

85. Lagos, British West African Meteorological Service. Sierra Leone, Annual Summary of Observations, 1941–55.

86. Freetown, British West African Meteorological Service. Sierra Leone, Annual Summary of Observations, 1949–60.

87. Freetown, Sierra Leone Meteorological Department. Annual Summary of Observations, 1961–67.

88. HUNT, J.A.; A General Survey of the Somaliland Protectorate, 1944–50. Hargeisa, 1951.

89. FANTOLI, A.; Contributo alla Climatologia della Somalia. Rome, 1965.

90. Khartoum, Sudan Meteorological Service. Annual Meteorological Report, 1950–67.

91. Nairobi, East African Meteorological Department. Meteorological Data Recorded at Agricultural, Hydrological and Other Research Stations in Tanzania, 1963–70.

92. Tunis, Service Meteorologique. Actinometrie, Insolations, Evaporation, 1927-48.

93. Tunis, Meteorologie Nationale. Resume Mensuel du Temps, 1949–51.

94. Tunis. Meteorologie Nationale. Bulletin Meteorologique Annuel, 1952–55, 1964, 1965, 1970.

95. Tunis, Meteorologie Nationale. Climatic Means of Tunisia, 1946–60.

96. Tunis, Meteorologie Nationale. Bulletin Meteorologique Mensuel, 1964–70.

97. Tunis, Meteorologie Nationale. Climatologie de la Tunisie, I, Normales et Statistiques Diverses, 1967.

98. Nairobi, East African Meteorological Department. Meteorological Data Recorded at Agricultural, Hydrological and other Research Stations in Uganda, 1965–70.

99. Kinshasa, Republique du Zaire, Service Meteorologique. Meteo Zaire, Bulletin de Donnees Climatologiques, 1963.

100. Salisbury, Rhodesia and Nyasaland Meteorological Service. Climatological Summaries for Northern Rhodesia, 1941–48.

101. Lusaka, Zambia Meteorological Department. Climatological Summary, 1966–70.

102. Lusaka, Zambia Meteorological Department. Climate Data Publication No. 18, Sunshine duration at Selected Stations in Zambia.

103. Salisbury, Department of Meteorological Services. Climate Handbook, Supplement I. Climatological Tables, 1931–51.

104. Salisbury, Rhodesian Meteorological Service. Meteorological Summaries, 1969–70.

105. Lisbon, Observatorio Central Meteorologico do Infante D. Luiz. Boletim Climatologico do Funchal, 1941–45.

106. Lisbon, Servico Meteorologico Nacional. Anuario Climatologico de Portugal, Part I, Continente e Ilhas do Atlantico-Norte, 1947–59.

107. Funchal, Servico Meteorologico Nacional. Boletim Mensal das Observacoes Meteorologicas do Arquipelago do Madeira, 1959–70.

108. Lisbon, Servico Meteorologico Nacional. Anais Meteorologicos das Colonias, 1941–46.

109. Pretoria, Weather Bureau. Meteorological Observations at Tristan da Cunha, 1943–47.

110. London, Hydrographic Department. Red Sea and Gulf of Aden Pilot, 1980.

111. Mauritius, Meteorological Department. Meteorological Observations and Climatological Summaries, 1951–70.

112. Paris, Direction de la Meteorologie. Annales Meteorologiques France d'Outre-Mer, Part II, Departments et Territoires Francais de l'Ocean Indien et de l'Antarctique. Decennie, 1961–70. Paris, 1977.

113. Mauritius, Royal Alfred Observatory. Results of the Magnetical and Meteorological Observations, 1941–56.

114. Mauritius, Royal Alfred Observatory. Annual Reports, 1948–58.

115. Mauritius, Meteorological Department. Annual Reports, 1959–71.

116. Tananarive, Service Meteorologique de Madagascar. Resume Mensuel du Temps a la Reunion, 1949–59.

117. Paris, Direction de la Meteorologie Nationale. Annales des Services Meteorologiques de la France d'Outre-Mer, Part II. Territoires Francais de l'Ocean Indien, du Pacifique et de l'Amerique, 1951–60.

118. Melbourne, Antarctic Division, Department of External Affairs. ANARE Reports, Series D, Vols. I to VII, 1948–54.

INDEX

Page
Abéché, Chad . . . 34
Abercorn, Zambia (see Mbala) . . . 194
Abidjan, Ivory Coast . . . 64
Accra, Ghana . . . 58
Addis Ababa, Ethiopia . . . 50
Adiaké, Ivory Coast . . . 64
Adrar, Algeria . . . 1
Agadez, Niger . . . 122
Agadir, Morocco . . . 101
AGALEGA ISLAND . . . 208
Agedabia, Libya (see Ajdābiyah) . . . 76
Agheila, Libya (see Al'Uqaylah) . . . 77
Aîn Sefra, Algeria . . . 1
Aït-Ourir, Morocco . . . 101
Ajdābiyah, Libya . . . 76
Akjoujt, Mauritania . . . 98
Akuse, Ghana . . . 58
Al'Adam, Libya . . . 76
Al'Azīzīyah, Libya . . . 76
Albertville, Zaire (see Kalemie) . . . 186
Alexandria, Egypt . . . 43
Alger, Algeria . . . 1
ALGERIA . . . 1
Algiers, Algeria (see Alger) . . . 1
Aliwal North, South Africa . . . 142
Al'Jaghbūb, Libya . . . 77
Al'Kufrah, Libya . . . 77
Al'Uqaylah, Libya . . . 77
Amani, Tanzania . . . 163
Ambodifototra, Madagascar . . . 82
AMSTERDAM ISLAND . . . 211
Am-Timan, Chad . . . 34
Analalava, Madagascar . . . 82
Angoche, Mozambique . . . 109
ANGOLA . . . 10
Annaba, Algeria . . . 2
Antalaha, Madagascar . . . 82
Antananarivo, Madagascar . . . 83
António Enes, Mozambique (see Angoche) . . . 109
Antseranana, Madagascar . . . 83
Antsirabe, Madagascar . . . 83
Aoulef, Algeria . . . 2
Areeiro, Madeira Islands . . . 201
Armoedsvlakte, South Africa . . . 142
Arrecife, Canary Islands . . . 202
Arta, Djibouti . . . 42
Arua, Uganda . . . 178
Arusha, Tanzania . . . 163
ASCENSION ISLAND . . . 205
Āseb, Ethiopia . . . 50
Asmara, Ethiopia (see Asmera) . . . 50
Asmera, Ethiopia . . . 50
Assab, Ethiopia (see Aseb) . . . 50
Aswân, Egypt . . . 43
Asyût, Egypt . . . 43
Atakpamé, Togo . . . 172
Atar, Mauritania . . . 98
Atbara, Sudan . . . 156
Ati, Chad . . . 34
ATLANTIC OCEAN ISLANDS . . . 201
Auamara, Morocco (see Larache) . . . 104
Averroès, Morocco . . . 101
Awash, Ethiopia . . . 51
Axim, Ghana . . . 58
Azizia, Libya (see Al'Aziziyah) . . . 76

Bahariya, Egypt . . . 44
Bahir Dar, Ethiopia . . . 51
Balovale, Zambia (see Zambezi) . . . 197
Bamako, Mali . . . 92
Bambesa, Zaire . . . 184

Page
Banana, Zaire . . . 184
Bangassou, Central African Republic . . . 30
Banghāzī, Libya . . . 78
Bangui, Central African Republic . . . 30
Banī Walid, Libya . . . 78
Banjul, The Gambia . . . 57
Banyo, Cameroon . . . 25
Bardera, Somalia . . . 138
Bata, Equatorial Guinea . . . 49
Bathurst, The Gambia (see Banjul) . . . 57
Batouri, Cameroon . . . 25
Bauchi, Nigeria . . . 125
Béchar, Algeria . . . 2
Beira, Mozambique (see Sofala) . . . 116
Beitbridge, Zimbabwe . . . 198
Béja, Tunisia . . . 174
Belet Uen, Somalia . . . 138
Bender Cassim, Somalia . . . 138
BENIN . . . 19
Benin City, Nigeria . . . 125
Béni Ulid, Libya (see Bani Walid) . . . 78
Berbera, Somalia . . . 139
Berberati, Central African Republic . . . 30
Berrechid Averroès, Morocco (see Averroes) . . . 101
Bertoua, Cameroon . . . 25
Besalampy, Madagascar . . . 84
Bethlehem, South Africa . . . 142
Betroka, Madagascar . . . 84
Biharamulo, Tanzania . . . 163
Bilma, Niger . . . 122
Birao, Central African Republic . . . 31
Bir-Moghrein, Mauritania . . . 98
Biskra, Algeria . . . 3
Bissau, Guinea Bissau . . . 63
Bizerte, Tunisia . . . 174
Bloemfontein, South Africa . . . 143
Boa Vista, Cape Verde Islands (see Sal-Rei) . . . 204
Bobo Dioulasso, Upper Volta . . . 182
Boende, Zaire . . . 184
Boghari, Algiers (see Ksar-el-Boukhari) . . . 6
Bohicon, Benin . . . 19
Boké, Guinea . . . 61
Bokoro, Chad . . . 35
Bolama, Guinea Bissau . . . 63
Bône, Algeria (see Annaba) . . . 2
Bor, Sudan . . . 156
Bordj Omar Driss, Algeria . . . 3
Bosaso, Somalia (see Bender Cassim) . . . 138
BOTSWANA . . . 21
Bouaké, Ivory Coast . . . 64
Bouar, Central African Republic . . . 31
Bouârfa, Morocco . . . 102
Bouca, Central African Republic . . . 31
Bougouni, Mali . . . 92
Bousso, Chad . . . 35
Boutilimit, Mauritania . . . 99
Brazzaville, Congo . . . 38
Bria, Central African Republic . . . 32
Broken Hill, Zambia (see Kabwe) . . . 192
Bujumbura, Burundi . . . 24
Bukoba, Tanzania . . . 164
Bulawayo, Zimbabwe . . . 198
Burao, Somali . . . 139
BURUNDI . . . 24

Cabinda, Angola . . . 10
Cacaopa, Liberia (see Cocoapa) . . . 75
Cairo, Egypt . . . 44
Calabar, Nigeria . . . 125
Calvinia, South Africa . . . 143
CAMEROON . . . 25

Page
CANARY ISLANDS 202
Cangamba, Angola 10
Caniçado, Mozambique (see Chokué) 110
Cape Agulhas, South Africa 143
Cape Columbine, South Africa 144
Cape Hermes, South Africa 144
Cape St Blaize, South Africa 144
Cape St Lucia, South Africa 145
Cape Town, Malan Airport, South Africa 145
Cape Town, Observatory, South Africa 145
CAPE VERDE ISLANDS 204
CARGADOS CARAJOS ISLANDS 209
Carolina, South Africa 146
Casablanca, Morocco 102
Caungula, Angola 10
Cazombo, Angola 11
Ceilunga, Angola 11
CENTRAL AFRICAN REPUBLIC 30
CHAD 34
CHAGOS ARCHIPELAGO 207
Chicôa, Mozambique 109
Chimoio, Mozambique 109
Chinde, Mozambique 110
Chipata, Zambia 192
Chitembo, Angola 11
Chokué, Mozambique 110
Cocoapa, Liberia 75
Coemba, Angola 12
Colomb-Béchar, Algiers (see Béchar) 2
COMORO ISLANDS 208
Conakry, Guinea 61
CONGO 38
Constantine, Algeria 3
Contonou, Benin 19
Cradock, South Africa 146
Cyrene, Libya (see Shahhāt) 80

Daedalus, Egypt 44
Dakar, Senegal 134
Dakhla, Egypt 45
Dakhla, Mauritania 99
Dar es Salaam, Tanzania 164
Darnah, Libya 78
Daru, Sierra Leone (see Segbwema) 137
De Aar, South Africa 147
Derna, Libya (see Darnah) 78
Dett, Zimbabwe 198
Diego Garcia, Chagos Archipelago 207
Diégo-Suarez, Madagascar (see Antseranana) 83
Dimbokro, Ivory Coast 65
Dirē Dawa, Ethiopia 51
Dirico, Angola 12
Djambala, Congo 38
Djanet, Algeria 4
Djelfa, Algeria 4
DJIBOUTI 42
Djibouti, Djibouti 42
Dodoma, Tanzania 164
Dolisie, Congo (see Luobomo) 39
Dongola, Sudan 156
Dori, Upper Volta 182
Douala, Cameroon 26
Dundo, Angola 12
Durban, South Africa 146
Dzadoudzi, Comoro Islands 208

Eala, Zaire 185
East London, South Africa 147
EGYPT 43
El Adem, Libya (see Al'Adam) 76
Eldoret, Kenya 68

Page
El Fasher, Sudan 157
El-Goléa, Algeria 4
Elizabethville, Zaire (see Lubumbashi) 190
El Obeid, Sudan 157
El Tûr, Egypt 45
Entebbe, Uganda 178
Enugu, Nigeria 126
EQUATORIAL GUINEA 49
Errego, Mozambique 110
Er Roseires, Sudan 157
Espungabera, Mozambique 111
Essaouira, Morocco 102
Es-senia Algiers (see Oran) 6
ETHIOPIA 50

Fada N'Gourma, Upper Volta 182
Farafangana, Madagascar 84
Faux Cap, Madagascar 85
Faya-Largeau, Chad 35
Ferkéssédougou, Ivory Coast 65
Fès, Morocco 103
Fianarantsoa, Madagascar 85
Figuig, Morocco 103
Fort Archamboult, Chad (see Sarh) 37
Fort Dauphin, Madagascar (see Taolañaro) 88
Fort de Polignac, Algiers (see Illizi) 5
Fort Flatters, Algiers (see Bordj Omar Driss) 3
Fort Jamison, Zambia (see Chipata) 192
Fort Lamy, Chad (see N'Djamena) 36
Fort Portal, Uganda 178
Fort Rosebery, Zambia (see Mansa) 194
Fort Trinquet, Mauritania (see Bir-Moghrein) 98
Fort Victoria, Zimbabwe 199
Franceville, Gabon 54
Francistown, Botswana 21
Freetown, Sierra Leone 137
Fuerteventura, Canary Islands (see Tefia) 203
Funchal, Madeira Islands 201

Gaberone, Botswana 21
Gabès, Tunisia 174
GABON 54
Gafsa, Tunisia 175
Gagnoa, Ivory Coast 65
Galcaio, Somalia 139
Galkayu, Somalia (see Galcaio) 139
GAMBIA, THE 57
Gamboma, Congo 38
Ganda, Angola (see Mariano Machado) 15
Gangassol, Angola 13
Gao, Mali 92
Gaoua, Upper Volta 183
Garies, South Africa 147
Garissa, Kenya 68
Garoua, Cameroon 26
Gemena, Zaire 185
Georgetown, The Gambia 57
GHANA 58
Ghanzi, Botswana 21
Ghardaia, Algeria 5
Giarabub, Libya (see Al'Jaghbūb) 77
Gobabis, Namibia 118
Gokwe, Zimbabwe 199
Gore, Ethiopia 82
GOUGH ISLAND 206
Gran Canaria, Canary Islands (see Punta de Gando) 202
Greenville, Liberia 75
Grootfontein, South Africa 148
Gudubi, Somalia 140
GUINEA 61
GUINEA BISSAU 63

Page
Gulu, Uganda 179

Hammamet, Tunisia 175
Hargeisa, Somalia 140
HEARD ISLAND 212
Hell-Ville, Madagascar 85
Helwan, Egypt 45
Hierro, Canary Islands (see Punta Orchilla) 203
Hombori, Mali 93
Huambo, Angola 13
Hūn, Libya 79

Ibadan, Nigeria 126
Ibi, Nigeria 126
Idris, Libya 79
Ifrane, Morocco 103
Igeri, Tanzania 165
Ihosy, Madagascar 86
Ikeja, Nigeria 127
Ile Anjouan, Comoro Islands (see Ouani) 209
Ilebo, Zaire 185
Ile Grand Comore, Comoro Islands (see Moroni) 208
Ile Mayotte, Comoro Islands (see Dzadoudzi) 208
Illizi, Algeria 5
Ilorin, Nigeria 127
Impfondo, Congo 39
INDIAN OCEAN ISLANDS 207
Inhambane, Mozambique 111
Inongo, Zaire 186
In Salah, Algeria 5
Irherm, Morocco 104
Iringa, Tanzania 165
Isiro, Zaire 186
IVORY COAST 64
Izaña, Canary Islands 202

Jalo, Libya (see Wahat Jālū) 81
Jebha, Morocco 104
Jimā, Ethiopia 52
Jimma, Ethiopia (see Jimā) 52
Jinja, Uganda 179
Johannesburg, South Africa 148
Jos, Nigeria 127
Juba, Sudan 158

Kabale, Uganda 179
Kabwe, Zambia 192
Kadugli, Sudan 158
Kaduna, Nigeria 128
Kairouan, Tunisia 175
Kalemie, Zaire 186
Kamina, Zaire 187
Kananga, Zaire 187
Kandi, Benin 19
Kankan, Guinea 61
Kano, Nigeria 128
Kaolack, Senegal 134
Kaoma, Zambia 192
Kariba, Zimbabwe 199
Karonga, Malawi 90
Kasama, Zambia 193
Kasane, Botswana 22
Kasempa, Zambia 193
Kassala, Sudan 158
Katsina, Nigeria 128
Kayes, Mali 93
Keetmanshoop, Namibia 118
Kembolcha, Ethiopia 52
Keniéba, Mali 93
KENYA 68
KERGUELEN 212

Page
Khartoum, Sudan 159
Kidal, Mali 94
Kigali, Rwanda 133
Kigoma, Tanzania 165
Kilindoni, Tanzania 166
Kilwa, Tanzania 166
Kikwit, Zaire 187
Kimberley, South Africa 148
Kindia, Guinea 62
Kindu, Zaire 188
Kinshasa, Zaire 188
Kisangani, Zaire 188
Kisauni, Tanzania 166
Kisumu, Kenya 68
Kita, Mali 94
Kitale, Kenya 69
Kitgum, Uganda 180
Kokstad, South Africa 149
Kolwezi, Zaire 189
Kondoa, Tanzania 167
Kongolo, Zaire 189
Kosti, Sudan 159
Koundja, Cameroon (see N'Koundja) 28
Koutiala, Mali 94
Kribi, Cameroon 26
Kroonstad, South Africa 149
Ksar-el-Boukhari, Algeria 6
Kumasi, Ghana 59
Kuruman, South Africa 149

Labé, Guinea 62
Ladysmith, South Africa 150
Lambaréné, Gabon 54
Lamu, Kenya 69
Lanzarote, Canary Islands (see Arrecife) 202
Larache, Morocco 104
Las Anod, Somalia 140
Leopoldville, Zaire (see Kinshasa) 188
LESOTHO 74
LIBERIA 75
Libreville, Gabon 54
LIBYA 76
Lichinga, Mozambique 111
Lilongwe, Malawi 90
Lindi, Tanzania 167
Linguère, Senegal 134
Livingstone, Zambia 193
Lobito, Angola 13
Lodwar, Kenya 69
Lodja, Zaire 189
Lokitaung, Kenya 70
Lokoja, Nigeria 129
Lomé, Togo 172
Lomié, Cameroon 27
Lourenço Marques, Mozambique (see Maputo) 112
Luan, Angola 14
Luanda, Angola 14
Lubango, Angola 14
Lubumbashi, Zaire 190
Lüderitz Bay, Namibia 118
Luena, Angola 15
Luluabourg, Zaire (see Kananga) 187
Luobomo, Congo 39
Luputa, Zaire 190
Lusaka, Zambia 194
Luso, Angola (see Luena) 15
Luxor, Egypt 46
Lydenburg, South Africa 150

Mabote, Mozambique 112
MADAGASCAR 82

Page
MADEIRA ISLANDS . . . 201
Maevatanàna, Madagascar . . . 86
Mafeking, South Africa . . . 150
Mafia, Tanzania (see Kilindoni) . . . 166
Magadi, Kenya . . . 70
Mahajanga, Madagascar . . . 86
Mahalapye, Botswana . . . 22
Mahé, Seychelles (see Victoria) . . . 207
Maiduguri, Nigeria . . . 129
Maintirano, Madagascar . . . 87
Majunga, Madagascar (see Mahajanga) . . . 86
Mak'alē, Ethiopia . . . 53
Makalle, Ethiopia (see Mak'alē) . . . 53
Makindu, Kenya . . . 70
Makokou, Gabon . . . 55
Makoua, Congo . . . 39
Makurdi, Nigeria . . . 129
Malabo, Equatorial Guinea . . . 49
Malakal, Sudan . . . 159
MALAWI . . . 90
MALI . . . 92
Malindi, Kenya . . . 71
Mamou, Guinea . . . 62
Man, Ivory Coast . . . 66
Mandritsara, Madagascar . . . 87
Mankoya, Zambia (see Kaoma) . . . 192
Manono, Zaire . . . 190
Mansa, Zambia . . . 194
Maputo, Mozambique . . . 112
Maradi, Niger . . . 122
Mariano Machado, Angola . . . 15
Mariental, Namibia . . . 119
Marion Island, Prince Edward Islands . . . 211
Maroua, Cameroon . . . 27
Marrakech, Morocco . . . 105
Marrupa, Mozambique . . . 112
Marsabit, Kenya . . . 71
Marsa Matrûh, Egypt . . . 46
Maseru, Lesotho . . . 74
Masindi, Uganda . . . 180
Massawa, Ethiopia (see Mits'iwa) . . . 53
Matam, Senegal . . . 135
Maun, Botswana . . . 22
MAURITANIA . . . 98
MAURITIUS . . . 210
Mavinga, Angola . . . 15
Mayumba, Gabon . . . 55
Mbabane, Swaziland . . . 162
Mbala, Zambia . . . 194
Mbale, Uganda . . . 180
M'Banza Congo, Angola . . . 16
Mbarara, Uganda . . . 181
Mbeya, Tanzania . . . 167
Mbulu, Tanzania . . . 168
Medenine, Tunisia . . . 176
Melilla, Morocco . . . 105
Ménaka, Mali . . . 95
Menongue, Angola . . . 16
Midelt, Morocco . . . 105
Mindelo, Cape Verde Islands . . . 204
Minna, Nigeria . . . 130
Mizdah, Libya . . . 80
Misrātah, Libya . . . 79
Misurata, Libya (see Misrātah) . . . 79
Mits'iwa, Ethiopia . . . 53
Mitzic, Gabon . . . 55
Moçâmedes, Angola . . . 16
Mocimboa Da Praia, Mozambique . . . 113
Mogadiscio, Somalia . . . 141
Mogador, Morocco (see Essaouira) . . . 103
Mohaleshoek, Lesotho . . . 74

Page
Moloundou, Cameroon . . . 27
Mombasa, Kenya . . . 71
Mongo, Chad . . . 36
Mongu, Zambia . . . 195
Monrovia, Liberia . . . 75
Mopti, Mali . . . 95
MOROCCO . . . 101
Morogoro, Tanzania . . . 168
Morombe, Madagascar . . . 87
Morondava, Madagascar . . . 88
Moroni, Comoro Islands . . . 208
Moshi, Tanzania . . . 168
Mossâmedes, Angola (see Moçâmedes) . . . 16
Mossuril, Mozambique . . . 113
Mouila, Gabon . . . 56
Moundou, Chad . . . 36
Moyale, Kenya . . . 72
MOZAMBIQUE . . . 109
Mpika, Zambia . . . 195
Mungari, Mozambique . . . 113
Mupa, Angola . . . 17
Musaia, Sierra Leone . . . 137
Musoma, Tanzania . . . 169
Mwanza, Tanzania . . . 169
Mwinilunga, Zambia . . . 195
Mzimba, Malawi . . . 90

Nachingwea, Tanzania . . . 169
Nagēlē, Ethiopia . . . 53
Nairobi, Kenya . . . 72
Nakuru, Kenya . . . 72
Nālūt, Libya . . . 80
NAMIBIA . . . 118
Nanyuki, Kenya . . . 73
Natitingou, Benin . . . 20
Navrongo, Ghana . . . 59
N'Dalatando, Angola . . . 17
N'Délé, Central African Republic . . . 32
N'Djamena, Chad . . . 36
Ndola, Zambia . . . 196
Ngele, Ethiopia (see Nagēlē) . . . 53
Néma, Mauritania . . . 99
Newcastle, South Africa . . . 151
N'Gaoundéré, Cameroon . . . 28
N'Giva, Angola . . . 17
N'Guigmi, Niger . . . 123
Nguru, Nigeria . . . 130
Niamey, Niger . . . 123
NIGER . . . 122
NIGERIA . . . 125
Niora du Sahel, Mali . . . 95
Nkarapamwe, Namibia . . . 119
Nkhotakota, Malawi . . . 91
N'Koundja, Cameroon . . . 28
Noqui, Angola . . . 18
Nosy-Varika, Madagascar . . . 88
Nouadhibou, Mauritania . . . 100
Nouakchott, Mauritania . . . 100
Nova Gaia, Angola . . . 18
Noval Lisboa, Angola (see Huambo) . . . 13
Nova Mambone, Mozambique . . . 114
Nsanje, Malawi . . . 91

Obbia, Somalia . . . 141
Obo, Central African Republic . . . 32
Odienné, Ivory Coast . . . 66
Ondangua, Namibia . . . 119
Oran, Algeria . . . 6
Ouagadougou, Upper Volta . . . 183
Ouallene Bordj, Algeria . . . 6
Ouani, Comoro Islands . . . 209

Page
Ouargla, Algeria 7
Ouarzazate, Morocco 106
Oudtshoorn, South Africa 151
Ouesso, Congo 40
Outjo, Namibia 120

Pafúri, Mozambique 114
Pala, Chad 37
Pamplemousses, Mauritius 210
Pebane, Mozambique 114
Pelican Point, Namibia 120
Pemba, Tanzania (see Wete) 171
Pereira d'Eça, Angola (see N'Giva) 17
Petauke, Zambia 196
Philippeville, Algiers (see Skikda) 7
Pietersburg, South Africa 151
Pofadder, South Africa 152
Pointe Noire, Congo 40
Port Aux Français, Kerguelen 212
Port Elizabeth, South Africa 152
Port Etienne, Mauritania (see Nouadhibou) 100
Port Francqui, Zaire (see Ilebo) 185
Port Harcourt, Nigeria 130
Port Herald, Malawi (see Nsanje) 91
Port Nolloth, South Africa 152
Porto Amelia, Mozambique 115
Porto Santo, Madeira Islands 201
Port Said, Egypt 46
Port St Johns, South Africa (see Cape Hermes) 144
Port Shepstone, South Africa 153
Port Sudan, Sudan 160
Potiskum, Nigeria 131
Praia, Cape Verde Islands 204
Pretoria, South Africa 153
Prieska, South Africa 153
PRINCE EDWARD ISLANDS 211
Puerto Capaz Morocco (see Jebha) 104
Punta de Gando, Canary Islands 202
Punta Orchilla, Canary Islands 203

Quelimane, Mozambique 115
Quilombo, Angola (see N'Dalatando) 17
Quissico, Mozambique 115
Quseir, Egypt 47

Rabat, Morocco 106
Raga, Sudan 160
Remada, Tunisia 176
REUNION ISLAND 210
Ribauè, Mozambique 116
RODRIGUES ISLAND 209
Royal Alfred Observatory, Mauritius
  (see Pamplemousses) 210
Rundu, Namibia (see Nkarapamwe) 119
Rusape, Zimbabwe 200
RWANDA 133

Sá da Bandeira, Angola (see Lubango) 14
Safi, Morocco 106
St Brandon, Cargados Carajos Islands 209
St Denis, Reunion Island 210
ST HELENA 205
St Louis, Senegal 135
St Pierre, Reunion Island 211
St Vincente, Cape Verde Islands (see Mindelo) 204
Salazar. Centro de Estudos, Angola (see N'Dalatando) 17
Salisbury, Zimbabwe 200
Sal-Rei, Cape Verde Islands 204
Saltpond, Ghana 59
Salûm, Egypt 47
Same, Tanzania 170

Page
San, Mali 96
Santa Cruz de Tenerife, Canary Islands 203
Santa Isabel, Equitorial Guinea (see Malabo) 49
Santiago Island, Cape Verde Islands (see Praia) 204
São Salvador, Angola (see M'Banza Congo) 16
SÃO TOMÉ E PRINCIPE 205
São Tomé, São Tomé e Principe 205
Sarh, Chad 37
Sassandra, Ivory Coast 66
Sausanné Mango, Togo 172
Savé, Benin 20
Segbwema, Sierra Leone 137
Ségou, Mali 96
SENEGAL 134
Sennar, Sudan 160
Serpa Pinto, Angola (see Menongue) 16
Sesheke, Zambia 196
Sétif, Algeria 7
SEYCHELLES 207
Sfax, Tunisia 176
Shahhāt, Libya 80
Sibiti, Congo 40
Sidi Ifni, Morocco 107
SIERRA LEONE 137
Sikasso, Mali 96
Sinoia, Zimbabwe 200
Sirte, Libya (see Surt) 81
Siwa, Egypt 47
Skikda, Algeria 7
Smara, Morocco 107
SOCOTRA 207
Sofala, Mozambique 116
Sokodé, Togo 173
Sokoto, Nigeria 131
Solwezi, Zambia 197
SOMALIA 138
Songea, Tanzania 170
Souanké, Congo 41
Sousse, Tunisia 177
SOUTH AFRICA 142
Stanleyville, Zaire (see Kisangani) 188
SUDAN 156
Suez, Egypt 48
Sunginge, Angola 18
Surt, Libya 81
Sutherland, South Africa 154
SWAZILAND 162

Table Mountain, South Africa 154
Tabligbo, Togo 173
Tabora, Tanzania 170
Tabou, Ivory Coast 67
Tahoua, Niger 123
Takoradi, Ghana 60
Tamale, Ghana 60
Tamanrasset, Algeria 8
Tamatave, Madagascar (see Toamasina) 89
Tambacounda, Senegal 135
Tananarive, Madagascar (see Antananarivo) 83
Tanga, Tanzania 171
Tanger, Morocco 107
Tangier, Morocco (see Tanger) 107
Tan-Tan, Morocco 108
TANZANIA 163
Taolañaro, Madagascar 88
Tarābulus, Libya 81
Tarfaya, Morocco 108
Tébessa, Algeria 8
Tefia, Canary Islands 203
Teixeira de Sousa, Angola (see Luan) 14
Tenerife, Canary Islands (see Izaña) 202

Page
Tessalit, Mali . . . 97
Tete, Mozambique . . . 116
Thala, Tunisia . . . 177
Tidjikdja, Mauritania . . . 100
Timbuktu, Mali (see Tombouctou) . . . 97
Timimoun, Algeria . . . 8
Tindouf, Algeria . . . 9
Tlemcen, Algeria . . . 9
Tleta Ketama, Morocco . . . 108
Toamasina, Madagascar . . . 89
TOGO . . . 172
Toliara, Madagascar . . . 89
Tombouctou, Mali . . . 97
Tor, Egypt (see El Tûr) . . . 45
Torit, Sudan . . . 161
Tororo, Uganda . . . 181
Touggourt, Algeria . . . 9
Tripoli, Libya (see Tarābulus) . . . 81
TRISTAN DA CUNHA . . . 206
Tshabong, Botswana . . . 23
Tshane, Botswana . . . 23
Tshibinda, Zaire . . . 191
Tsumeb, Namibia . . . 120
Tuléar, Madagascar (see Toliara) . . . 89
Tunis, Tunisia . . . 177
TUNISIA . . . 174

UGANDA . . . 178
Umtata, South Africa . . . 154
Upington, South Africa . . . 155
UPPER VOLTA . . . 182
Usumbura, Burundi (see Bujumbura) . . . 24

Vacoas, Mauritius . . . 210
Vanwyksvlei, South Africa . . . 155
Victoria, Seychelles . . . 207
Victoria West, South Africa . . . 155

Page
Vilacabral, Mozambique (see Lichinga) . . . 111
Vilanculos, Mozambique . . . 117
Vila Pery, Mozambique (see Chimoio) . . . 109
Villa Bens, Morocco (see Tarfaya) . . . 108
Villa Cisneros, Mauritania (see Dakhla) . . . 99
Vohémar, Madagascar (see Vohimarina) . . . 89
Vohimarina, Madagascar . . . 89
Voi, Kenya . . . 73
Vryburg, South Africa (see Armoedsvlakte) . . . 142

Wadi Halfa, Sudan . . . 161
Wahat Jālū, Libya . . . 81
Wajir, Kenya . . . 73
Warri, Nigeria . . . 131
Watsa, Zaire . . . 191
Wau, Sudan . . . 161
Wete, Tanzania . . . 171
Windhoek, Namibia . . . 121
Wissellrode, Swaziland . . . 162

Yalinga, Central African Republic . . . 33
Yaoundé, Cameroon . . . 28
Yelwa, Nigeria . . . 132
Yoko, Cameroon . . . 29
Yola, Nigeria . . . 132
Yundum, The Gambia . . . 57

ZAIRE . . . 184
Zambezi, Zambia . . . 197
ZAMBIA . . . 192
Zanzibar, Tanzania (see Kisauni) . . . 166
Ziguinchor, Senegal . . . 136
ZIMBABWE . . . 198
Zinder, Niger . . . 124
Zomba, Malawi . . . 91
Zumbo, Mozambique . . . 117

(878) Dd736041 C15 5/83 HPLtd So'ton G381